

cc: Darrell Smith
P.O. Box 414
Casper, WY 82602

Dec 12 79

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-451R

Glendo Powerplant - Modifications of Sewage Treatment Facilities
(Name of Facility)

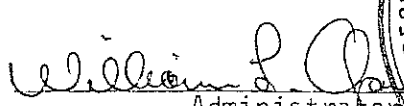
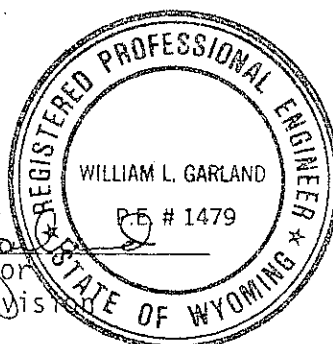
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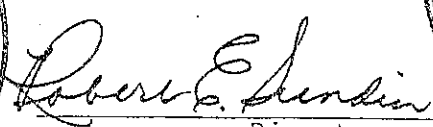
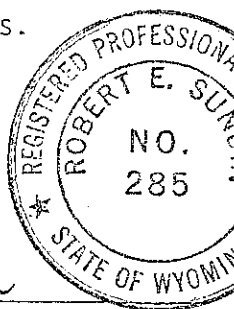
Bureau of Reclamation
(Last) (First) (Middle)
Lower Missouri Region
P.O. Box 25247
Bldg. 20
(Street or P.O. Box)
Denver Federal Center
Denver, CO 80225
(City) (County) (State)

to construct, install, or modify a sewage treatment
facility located in Sec. 24, T29N, R78W
(Legal Description)

in the County of Platte, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:


Administrator
Water Quality Division



Director
Wyoming Dept. of Environmental Quality


December 11, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

Book
M-8-23-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~XXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: Modification of Sewage Treatment Facilities, Glendo Powerplant,
Platte Co.

ARCHITECT OR ENGINEER: Darrell Smith, P.O. Box 414, Casper, WY 82602

WATER QUALITY DIVISION REFERENCE NUMBER: 79-451

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: August 21, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. All plans and specifications submitted must carry the seal or signature of the design engineer, who is a registered professional engineer in the State of Wyoming.
2. Paragraph 4.1.4, page 42 of the specifications. What leakage rate will be allowed for sewer pipe? How will sewer pipe alignment and grade be checked? Normally, a lamping test is used.
3. Sewer line cleanouts are required at the two locations where the line makes a 90 degree elbow turn.
4. Paragraph 4.2.2.1b(4), page 44 of the specifications. The inlet and outlet pipes of the septic tank must be Schedule 40 PVC or cast iron.
5. Existing effluent line to water way must be plugged.
6. Recommend installation of a manhole cover extender on septic tank to ground surface.
7. What is depth of groundwater table where leach field will be located?
8. What was the basis for determining wastewater flow rates and resulting size of leach field? Percolation rate was measured to be 15 minutes/inch. Need to know wastewater flow.

Mto J
8-23-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-452

KYLANDER CONSTRUCTION CO., INC.

(Name of Facility)

This permit hereby authorizes the applicant:

Kylander
(Last)

Ernest
(First)

(Middle)

P. O. Box 510

(Street or P.O. Box)

Powell
(City)

WY
(County)

82435
(State)

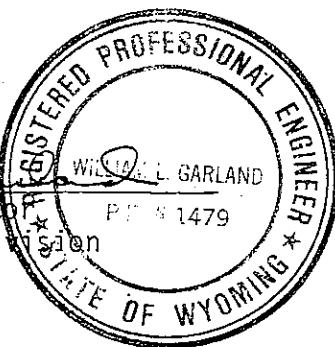
to construct, install, or modify a septic tank - leach field

facility located in SW $\frac{1}{4}$ SW $\frac{1}{4}$ of Lot 69 (Resurvey), T. 55N, R. 99W
(Legal Description)

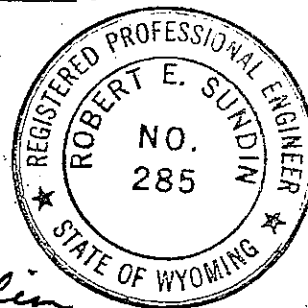
in the County of PARK, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 15, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Russell Donley
Western Engineers
501 N. Sun Drive
Casper, WY 82601

PERMIT TO CONSTRUCT

M 4.23.80

☒ New
☐ Renewal
☐ Modified

Permit No. 79-454RRRRRR

Werner Draw Subdivision
Water Distribution System and Storage Tank
(Name of Facility)

This permit hereby authorizes the applicant:

J & J Development Company, Inc.
(Last) (First) (Middle)

P.O. Box 430
(Street or P.O. Box)

Glenrock, WY 82637
(City) (County) (State)

to construct, install, or modify a public water well and distribution system and
commercial subsurface wastewater disposal
facility located in Sections 28 & 33, T34N, R75W
(Legal Description)

in the County of Converse, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality
REGISTERED PROFESSIONAL ENGINEER
ROBERT E. SUNDIN
NO. 285
STATE OF WYOMING

April 9, 1980

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Werner Draw Subdivision Water Distribution System & Storage Tank,
Converse County

ARCHITECT OR ENGINEER: Russell L. Donley, Western Engineers-Architects, Inc.,
501 N. Sun Drive, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-454RR

REVIEWING ENGINEER: *Robert H. Pinther*
Robert H. Pinther, M.S., P.E.

DATE OF REVIEW: February 8, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Provide the following in connection with the 5400 gallon concrete storage tank designed to serve Well No. 2:
 - a. Provide a baffle about 2 feet from each end of the tank with each baffle joined to the floor and opposite side walls leaving a 2 foot opening around the end of each baffle for passage of water.
 - b. Relocated the inlet and outlet pipes 6 to 12 inches from opposite side walls so that the water will travel an S shaped path from one end of the tank to the other.
 - c. The outlet pipe should also be relocated vertically to a point at least 2/3 of the high-water depth above the tank floor.
 - d. The floor between each baffle and the tank end wall shall be sloped to drain toward the open end of the baffle.
 - e. Locate the top of the tank at least two feet above normal ground surface and any possible flood surface.
 - f. Place the bottom of the tank above the seasonal high groundwater level.
2. Provide a sampling tap at each well at a point where positive pressure is maintained.
3. To assure complete absorption into the earth above the impervious strata of the daily volume (800 to 1000 gallons) of liquid waste from the iron removal unit, the following additional design features shall be included in the elevated leach field:

- a. The excavation shall be carried to 12 inches below ground surface.
 - b. Fill material having a 5-10 minute percolation rate shall be put in the excavation and above it to a point at least 4 feet above the top of the impervious strata.
 - c. The area directly under the perforated distribution piping and gravel bed shall have the design area of 1200 square feet.
 - d. The absorption field, which will extend approximately $3\frac{1}{2}$ feet above ground level, shall be covered with 2" to 3" of light top soil.
(See enclosed sketch of "Elevated Leach Field".)
4. Analyses for inorganic chemical contaminants and radioactivity as required by the National Interim Primary Drinking Water Standards shall also be submitted for both wells prior to placing the new section of the distribution system into service.
 5. In order to avoid the occurrence of pressures less than 20 psi on the distribution system under all flow conditions, lot 66 adjacent to storage tank No. 2 (on lot 66) shall not be served by this system.
 6. Submit the results of the analyses for iron and manganese for water in Well No. 2 for our records at your earliest convenience.
 7. Submit the results of analyses for potable water of a water sample from Well No. 1, at your earliest convenience.

M
1-17-80

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: Werner Draw Subdivision Water Distribution System & Storage Tank,
Converse Co.

ARCHITECT OR ENGINEER: Russell L. Donley, Western Engineers-Architects, Inc.,
501 N. Sun Drive, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-454R

REVIEWING ENGINEER: *Robert H. Pinther*
Robert H. Pinther, P.E., M.S.

DATE OF REVIEW: January 10, 1980

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Submit the results of a yield and drawdown test on Well No. 2. These test results shall include the following information:
 - a. Length of continuous pumping period
 - b. Describe how the test was conducted
 - c. Provide the following data:
 - 1) State water level
 - 2) Pumping rate
 - 3) Drawdown during test
 - 4) Recovery water levels
 - 5) Depth of pump setting
2. The owner shall maintain control of all property within 100 feet of the well. This property shall be reserved for water supply purposes. No septic tanks, buried sewer lines, or other wastewater drains shall be located within 50 feet of the well. No disposal drainfield, cesspool, seepage pit or other source of contamination shall be located within 100 feet of the well.
3. Provide automatic booster pump cut off at a pressure of not less than 5 psi.

4. Provide the following in connection with the 10,000 gallon water storage tank designed to serve Well No. 2:
 - a. Construct of corrosion proof material such as concrete. The tank shall be watertight and properly baffled.
 - b. Place the bottom above the groundwater table and, preferably, above normal ground level if practical.
 - c. The top should not be less than two feet above normal ground surface.
 - d. A tank overflow pipe.
 - e. An access manhole constructed as set forth below:
 - 1) Poured integrally with the tank.
 - 2) Reinforced and extending to an elevation of 24 to 36 inches above the top or sod covering.
 - 3) Fitted with a solid watertight cover which overlaps the sides and extends downward around the sides at least two inches.
 - 4) The cover shall be hinged at one side.
 - 5) The cover shall have a locking device.
 - f. Cover the exterior opening of the vent pipe with 24 mesh noncorrodible screen.
5. Each booster pump shall have a standard pressure gauge on its discharge line and a compound gauge on its suction line.
6. Power supply shall be provided from at least two independent sources or standby or auxiliary source shall be provided.
7. Provide the following in connection with the chlorination facilities:
 - a. It is recommended that the chlorine room floor be recessed to accommodate the scales.

Note: Rigid bars around the cylinders on the scales but not in contact with the cylinders will prevent upset without interfering with weighing.
 - b. Provide restraints for holding two additional (spare) chlorine cylinders in the upright position.
8. Provide the following in connection with Well No. 2:
 - a. Extend the well casing to a point at least 18 and preferably 24 inches above original ground surface.

- b. Provide a 6 inch concrete platform at the surface as specified below:
 - 1) The top of the platform shall be at least one foot above original ground surface.
 - 2) It shall be at least 3 feet in each dimension and shall slope away from the casing in all directions.
 - c. The well casing shall project at least 6 inches and preferably 12 inches above the well platform.
 - d. Provide the following at the well head:
 - 1) A casing vent protected with 16 mesh corrosion resistant screening.
 - 2) Provisions for periodic measurement of static and pumping water levels.
 - 3) All openings such as for electric cables shall be protected against the entrance of foreign matter.
 - e. It is recommended that the well discharge piping be provided with means for pumping to waste, but shall not be directly connected to a sewer and the receiving sewer shall not be located less than 50 feet from the well.
9. Submit calculations of the size of the absorption bed along with the results of the percolation tests.

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M-8-23-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

XXXXXXXXXXXXXXXXXXXX Hathaway Bldg.

Cheyenne, Wyoming 82002

PROJECT: Werner Draw Subdivision Water Distribution System and Storage Tank,
Converse Co.

ARCHITECT OR ENGINEER: Russell L. Donley, Western Engineers-Architects, Inc.,
501 N. Sun Drive, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-454

REVIEWING ENGINEER: *RHP by ac*
Robert H. Pinther, P.E., M.S.

DATE OF REVIEW: August 13, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. The 75 gpm well is too small. The total developed groundwater source capacity shall equal or exceed the maximum day demand and equal or exceed the design average day demand with the largest producing well out of service.
2. A minimum of two sources of groundwater shall be provided.
3. Discharge all pressure relief valves, drains, blow-offs, etc. above grade at points not subject to flooding.
4. All chambers or pits containing valves, blow-offs, meters, etc. shall drain to the surface of the ground at a point not subject to flooding or to absorption pits underground.
5. Add the following statement to paragraph 8. Disinfection on page XI-6 of the specifications: "The water containing 50 ppm chlorine shall be held in the tank for 24 hours before the tank is filled.
6. If a surface water source is used, provide at least 2 hours chlorine contact time prior to consumption at the maximum hourly rate.
7. Specify that all trenches shall be backfilled by hand from the bottom of the trench to the centerline of the pipe with sand, gravel, or other material approved by the engineer.
8. Specify that the backfill material shall be deposited in the trench for its full width on each side of the pipe, fittings, and appurtenances simultaneously.

9. Specify the following in connection with the chlorination room:
 - a. Respiratory equipment, preferably self-contained and having 30 minute capacity for protection against chlorine gas shall be available outside the room at a convenient location.
 - b. Restrain all (empty and full) chlorine cylinders in the upright position.
 - c. A bottle of ammonium hydroxide shall be available for chlorine leak detection.
 - d. If water is taken from the river or from a shallow well near the river or other surface water source, standby chlorination equipment of sufficient capacity shall be available to replace the largest unit during shut-down.
10. If a new well is provided, it shall be located on a well drained site at a point at least 100 feet from all sources of contamination. The pumphouse floor shall be located at least 6 inches above normal ground level and the ground shall slope away from the well for a distance of 50 feet in all directions.

cc: Joseph W. Popp
Glenrock Engineering
P.O. Box 790
Glenrock, WY 82637

B-4 M
10-30-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-455R

☐ Renewal

☐ Modified

Town of Glenrock, Meadowlark Addition
(Name of Facility)

This permit hereby authorizes the applicant:

Wolz, C. K.
(Last) (First) (Middle)

933 W. 14th St.
(Street or P.O. Box)

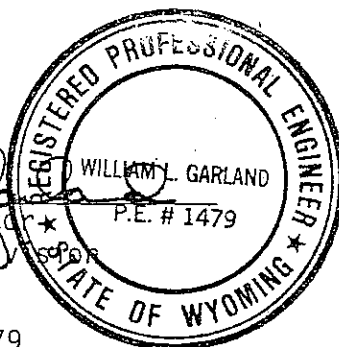
Casper, WY 82601
(City) (County) (State)

to construct, install, or modify a water and sewer system extension
facility located in Sec. 3, T33N, R75W
(Legal Description)

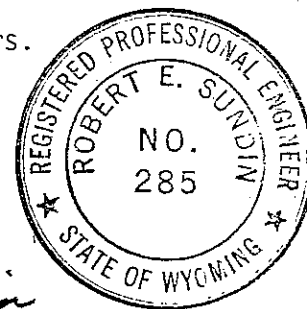
in the County of Converse, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 24, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

10-9-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

XXXXXXXXXXXXXXXXXXXXXXXXXXXX
State Office Building

Cheyenne, Wyoming 82002

PROJECT: Meadowlark Addition, Town of Glenrock, Converse Co.

ARCHITECT OR ENGINEER: Wolz & Associates, 933 W. 14th St., Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-455

REVIEWING ENGINEER: *Robert H. Pinther*
Robert H. Pinther, M.S., P.E.

DATE OF REVIEW: September 12, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Water Main Extensions

1. Specify that stones found in the pipe trenches shall be removed for a depth of at least 6 inches below the bottom of the pipe.
2. Submit appendix containing the thrust block construction standards referred to in Section "A-9 Thrust Blocks" of the specifications.
3. The pressure reducing valve vault shall be drained to the surface of the ground where it is not subject to flooding by surface water or to an absorption pipe underground.

Sewer Main Extensions

1. The maximum vertical deflection of any sewer pipe due to ovalation shall not exceed 5% of the internal pipe diameter.
2. Specify maximum deviations from the straight alignment and from the grades shown on the plans.
3. Specify that the lamping of any sewer between manholes shall show a perfect circle. Any section that fails the lamping test shall be checked for alignment, grade, and deflection, and the necessary corrections made.
4. The minimum horizontal separation of 10 feet between water and sewer mains shall be measured edge-to-edge.

Meadowlark Addition
DEQ/WQD Ref. No. 79-455
September 12, 1979
Page two

General

Submit a letter from the Town of Glenrock which states that the Town is willing to provide water and sewer services for this project and has adequate capacity to handle both.

PERMIT TO CONSTRUCT

8-15-79

☐ New
☐ Renewal
☒ Modified

Permit No. 79-456
(reference no. 77-342R)

HOMESTEAD MALL, HUSKY SANITARY SEWER, GILLETTE
(Name of Facility)

This permit hereby authorizes the applicant:

Husky Oil Company, Billings, Montana

(Last) (First) (Middle)

c/o Christian, Spring, Sielbach & Assoc.
Consulting Engineers
510 South Gillette Ave.

(Street or P.O. Box)

Gillette
(City)

Campbell
(County)

Wyoming 82716
(State)

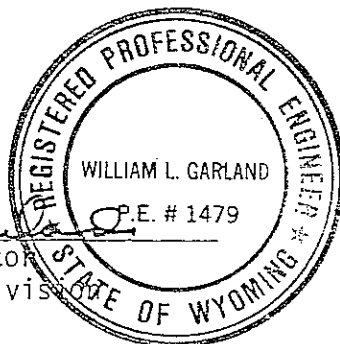
to construct, install, or modify a sewer collection

facility located in Section 34, T.50N., R.72W.
(Legal Description)

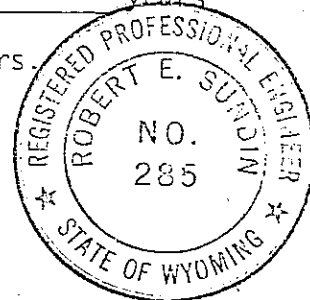
in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 7, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-457RR

☐ Renewal

EPA Grant No. C560102-03

☐ Modified

Town of Jackson Wastewater Treatment Plant Interceptor
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Jackson
(Last)

(First)

(Middle)

P.O. Box 1687

(Street or P.O. Box)

Jackson, Wyoming 83001
(City)

(County)

(State)

to construct, install, or modify a wastewater interceptor

facility located in Sec. 6, 7, 17, 20, & 29, T. 40 N., R. 116 W.
(Legal Description)

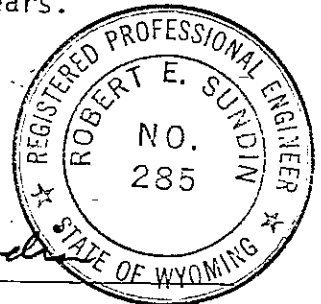
in the County of Teton, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 23, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 23, 1979

Rodger Williams
Regional Administrator
U.S. Environmental Protection Agency
Region VIII
1860 Lincoln St.
Denver, CO 80295

Attention: Mr. William H. Hormberg

Re: Jackson Interceptor
EPA C560102

Dear Sir:

We are transmitting, under separate cover, two sets of plans and specifications for the above referenced project and also a DEQ "Permit to Construct".

These plans and specifications have been reviewed by our field office personnel.

The EPA checklist documents will follow at a later date together with our certification regarding technical adequacy and conformance with Federal regulations.

Very truly yours,

A handwritten signature in cursive script, reading "Paul C. Schwieger".

Paul C. Schwieger, P.E.
Municipal Operations Supervisor

PCS/nc

79-45725 NORMA

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

September 25, 1979

MR. Larry J. Broyles
Design Engineers
ARIX
625 East Madison
Riverton, WY 82501

Subject: EPA Grant C560102, Jackson Interceptor P & S

Dear Mr. Broyles:

The Grants section of this office has reviewed the subject P & S and offer the following comments:

1. Please use the EPA Grant number on all Grant related data and correspondence; this aids the State and EPA in keeping projects straight.
2. Creek crossing details are required
3. A standard irrigation ditch crossing sketch would be helpful.
4. Road crossing details are required.
5. ALL PIPE and MANHOLES must be leak, infiltration or exfiltration tested. Groundwater levels should dictate the applicable test.
6. Per para 24.35 of 10 states, highly recommend anchors between stations 50.55 and 58.39 on the 19.89% slope.
7. Per my September 24, 1979 telecom agreement with Mr. Regan the plans will not be accepted until a legal opinion is received from EPA relative to the proprietary statement.

Under new DEQ/Water Quality procedures the Area Engineer reviews P & S and when satisfied initiates a Permit to Construct. The unsigned Permit to Construct is forwarded to the Grants section for review and approval of additional EPA requirements; then the Permit to Construct is signed and notice of approval and a copy of the Permit to Construct is sent to EPA. The Grants section will continue to try and perform an evaluation concurrent with the area engineer's.

If I may be of any assistance, do not hesitate to call.

A handwritten signature in cursive script that reads "Thomas F. Hamm".

Thomas F. Hamm, P.E.

Projects Engineer, Construction Grant Section

cc: Dave Hill, DEQ, Lander
EPA, Mr. Brooks
Mel Webb, Jackson

Tom H.
10 Aug 79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Jackson WW Treatment Interceptor
Town of Jackson Wyoming
PO Box 1687, Jackson WY 83001

ARCHITECT OR ENGINEER: ARIX
625 East Madison
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: C560102, DEQ 79-457

REVIEWING ENGINEER: Tom Hanning, P.E.

DATE OF REVIEW: 9 Aug 79

ACTION: Not Authorized

Telephone Review 9 Aug 79 with Larry Broyles

COMMENTS: 1. No Application for Permit to Construct

2. No PE seal or signature on plans and specs

3. Irrigation ditch crossings need more attention to prevent erosion.

4. Creaking Crossing not addressed

5. All lines and manholes must be leak (in & out) tested

6. No requirement is made for a full time inspector; one is required.

7. What type ground preparation is required for the Siphon Chamber, blow off Box and other foundations.

8. Will an ordinary person be able to lift the slide gates?

9. The propriety statement is incorrect; Drawings are paid for by the owner and belong to the owner.

10. Road crossing not addressed. CARS Feels limits which will be seen are negligible thereby no special crossings are required.

11-20-79
9-7-77

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-459R

☐ Renewal

☐ Modified

Big K Septic System

(Name of Facility)

This permit hereby authorizes the applicant:

Big K Corporation

(Last)

(First)

(Middle)

P.O. Box 843

(Street or P.O. Box)

Evanston,

WY 82930

(City)

(County)

(State)

to construct, install, or modify a septic tank - evapo transpiration bed

facility located in Sec. 34, T15N, R120W

(Legal Description)

in the County of Uinta, in the State of

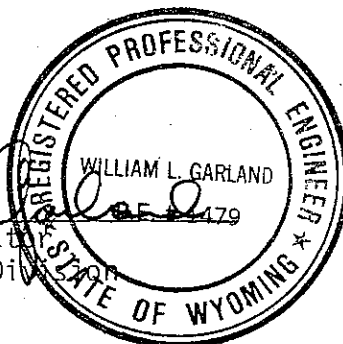
Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
WILLIAM L. GARLAND
1479

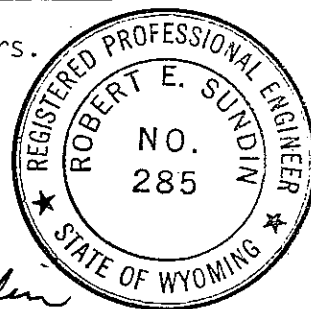
Administrative
Water Quality Division



Robert E. Sundin

Director

Wyoming Dept. of Environmental Quality



August 30, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: BIG K SEPTIC SYSTEM
SEC. 34, T. 15N, R. 120W, UINTA CO.

ENGINEER: John Proffit, P.E.
Uinta Engineering & Surveying, INC.
P. O. Box 746
Evanston, WY 82930

OWNER: Big K Corp.
P. O. Box 843
Evanston, WY 82930

WATER QUALITY DIVISION REFERENCE NUMBER: 79-459

REVIEWING ENGINEER: ^{QUA} David W. Hill

DATE OF REVIEW: August 21, 1979

ACTION: NOT AUTHORIZED.

REMARKS:

1. All surface runoff should be directed away from the evapotranspiration bed. A small runoff ditch may be needed west of the bed.
2. If a clay liner is used, a compaction specification is needed. Disregard if high groundwater is not a problem.

MtoZ
8-23-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-460

☐ Renewal

☐ Modified

LYNNE CHADWICK VET CLINIC

(Name of Facility)

This permit hereby authorizes the applicant:

CHADWICK

(Last)

LYNNE

(First)

(Middle)

1326 Wyoming Ave.

(Street or P.O. Box)

Cody

(City)

WY

(County)

82414

(State)

to construct, install, or modify a septic tank - leach field

facility located in Tract 70D (Resurvey), T. 53N, R. 101W

(Legal Description)

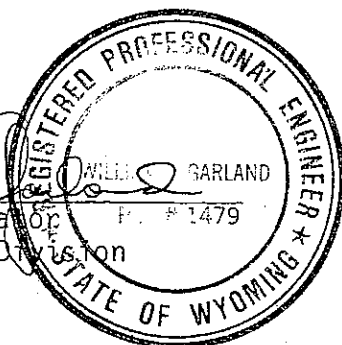
in the County of PARK, in the State of

Wyoming. This permit shall be effective for a period of TWO years

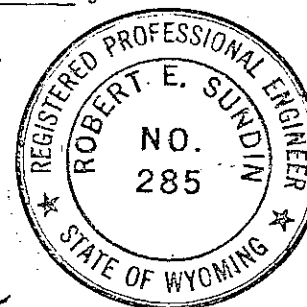
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 15, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-461R

North Riverview Estates Water and Sewer
(Name of Facility)

This permit hereby authorizes the applicant:

Riverview Estates, Inc.

c/o Nightingale, Bill
(Last) (First) (Middle)

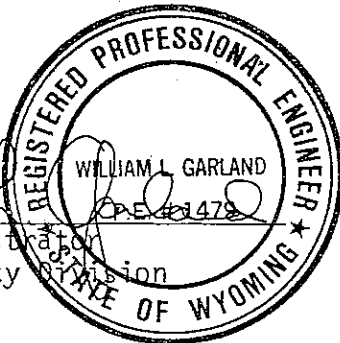
431 Main St.
(Street or P.O. Box)

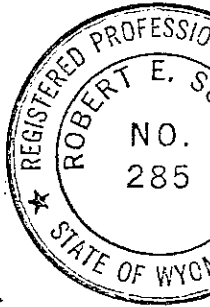
Lander, Fremont, Wyoming
(City) (County) (State)

to construct, install, or modify a waste treatment facility - collection system
facility located in Sec. 7, T. 33 N., R. 99 W.
(Legal Description)

in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William I. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


September 4, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: NORTH RIVERVIEW ESTATES WATER AND SEWER

ENGINEER: Elmo G. Peterson
Wind River Engineers
2333 Rose Lane
Riverton, WY 82501

OWNER: Riverview Estates, Inc.
c/o Bill Nightingale
431 Main St.
Lander, WY 82520

WATER QUALITY DIVISION REFERENCE NUMBER: 79-461

REVIEWING ENGINEER: Rick Engelmann



DATE OF REVIEW: August 16, 1979

ACTION: NOT AUTHORIZED.

REMARKS:

1. We need a letter from the city of Lander saying that they can & will provide sewage and water service.
2. What are the working pressures in this section of town?
Will the 100 psi test pressure (p. 02550-2) meet the requirements of AWWA C600?
3. Please make the Permastran pipe spec. conform to the enclosed policy statement. The spec.s must include the manufacturer's installation specifications (cutting, bedding, backfill, etc.).

M to 2
2-28-80

☒ New

Permit No. 79-462RR

☐ Renewal

☐ Modified

Union Pacific Railroad Co. - Point of Rocks Station
(Name of Facility)

This permit hereby authorizes the applicant:

Union Pacific Railroad Co.
(Last) (First) (Middle)

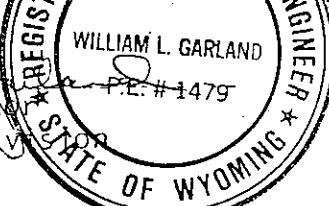
1416 Dodge Street
(Street or P.O. Box)

Omaha Nebraska 68179
(City) (County) (State)

construct, install, or modify a sewer line, lift station, and wastewater lagoon
facility located in Section 27, T. 20N., R. 101W.
(Legal Description)

in the County of Sweetwater, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sordin
Director
Wyoming Dept. of Environmental Quality


February 22, 1980
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: Union Pacific Railroad Company
Point of Rocks Station
Sec. 27, T. 20 N., R. 101 W.

ENGINEER: Robert D. Markworth, P.E.
Union Pacific Railroad Co.
1416 Dodge St.
Omaha, Nebraska 68179

OWNER: Union Pacific Railroad Co.
1416 Dodge St.
Omaha, Nebraska 68179

ATTN: J. A. Peterson, Bridge Engineer

WATER QUALITY DIVISION REFERENCE NUMBER: 79-462R

REVIEWING ENGINEER: *David* David W. Hill, P.E.

DATE OF REVIEW: January 28, 1980

ACTION: NOT AUTHORIZED.

CONTENTS:

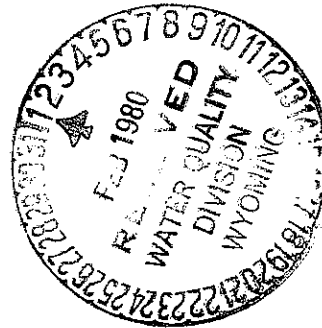
Sewer System

1. Since new section houses are proposed, will a new main collection line be needed? If so, plans and specifications are needed for review.

Water System

2. Will the ultimate 16 residences be served by one water system? If so, a "Permit to Construct" will be needed from this Department. All water systems with ten or more connections come under DEQ/WQD jurisdiction and need approval of plans and specs.

The "Permits to Construct" for the sewer and water system can be handled individually.



REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: Union Pacific Railroad Company
Point of Rocks Station
Sec. 27, T. 20N, R. 101W

ENGINEER: Robert D. Markworth, P.E.
Union Pacific Railroad Company
1416 Dodge Street
Omaha, Nebraska 68179

OWNER: Union Pacific Railroad Company
1416 Dodge St.
Omaha, Nebraska 68179

ATTN: J. A. Peterson, Bridge Engineer

WATER QUALITY DIVISION REFERENCE NUMBER: 79-462

REVIEWING ENGINEER: ^{OW} David W. Hill, P.E.

DATE OF REVIEW: August 21, 1979

ACTION: NOT AUTHORIZED.

REMARKS:

GENERAL

1. Three complete sets of plans and specifications are needed. One set shall be returned to you upon our authorization.
2. Complete design criteria is needed (i.e. - population served, flow per capita, evaporation rate used, seepage rate assumed, etc.)
3. Are any new section homes being added to the system?

SEWER LINE

4. Testing specifications are needed (i.e. - infiltration-exfiltration, alignment, deflection etc. - Reference UNI-B-5-78)

LIFT STATION

5. At least two pumps, each able to handle peak flow should be provided.
6. How is the sump pump controlled? By floats?
7. Is all the inflow to the lift station settled wastewater (i.e. - through septic tank)? If not, pumps and piping able to pass a three inch solid are needed.

8. The pumps must be removable from the top without having to have maintenance men crawl in to remove the pumps. Wet wells can be dangerous gas producers. A quick disconnect or some type of coupling is needed.

9. A high water level alarm (i.e. - light or horn) is needed.

SEWAGE LAGOON

10. Please indicate soil characteristics and compaction requirements for bottom and dikes.



79-463

Back
N-8-21-7

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002


TELEPHONE 307 777-7781

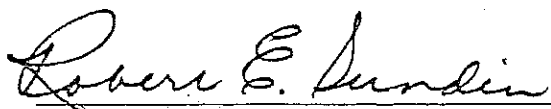
August 10, 1979

Mr. Kim Collins
Mountain States Properties
2870 South Raritan Street
Englewood, CO 80110

Dear Mr. Collins:

By this letter, the Department of Environmental Quality approves the construction of the remaining 118 family unit water and sewer line installations for the Platte View Bluffs subdivision. The permit number for this approval is 79-463. A previous Department of Environmental Quality permit, Number 78-561 RRRR, dated April 3, 1979, approved the original 150 unit construction. Permit Number 79-463 is hereby granted provided that no houses are built in the new area until the developer has received written approval from the Department of Environmental Quality.


William L. Garland
Administrator, Water Quality Division


Robert E. Sundin
Director, Department of Environmental Quality

RES, WLG, LCF/jn

cc: Sam Hobbs, Casper Board of Public Utilities
200 N. David
Casper, WY 82601

Don Armstrong, Tudor Engineering
726 East Madison
Riverton, WY 82501

cc: Mr. Kim Collins
Mountain States Properties
2870 South Raritan Street
Englewood, Colorado 80110

cc: Sam Hobbs, Casper Board of
Public Utilities, 200 N. David
Casper, WY 82601
Don Armstrong, Tudor Engineering
726 East Madison, Riverton, WY 82501

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-463
Ref. No. 78-561RRRR

Platte View Bluffs Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Northwestern Engineering
(Last) (First) (Middle)

P.O. Box 846
(Street or P.O. Box)

Pocatello ID 83201
(City) (County) (State)

to construct, install, or modify a water distribution and sewage collection system
for 268 family units
facility located in Sec. 14, T33N, R80W
(Legal Description)

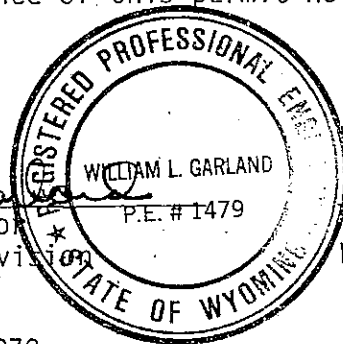
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

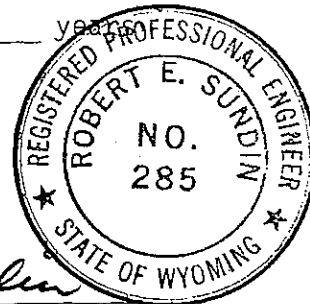
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 15, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: Bob Rohrer
528 S. Lincoln
Casper, WY 82601

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-464

Wilson Property Sewer Extension
(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last) (First) (Middle)

200 N. David

(Street or P.O. Box)

Casper, Natrona, WY 82601

(City) (County) (State)

to construct, install, or modify a municipal collection system

facility located in City of Casper

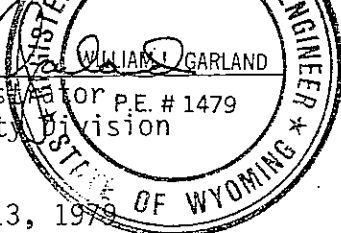
(Legal Description)

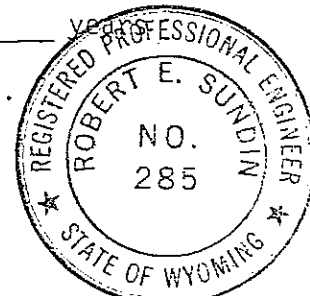
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:


William L. Garland
Administrator P.E. # 1479
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

August 13, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-465

Percy Manning's Restaurant & Home
(Name of Facility)

This permit hereby authorizes the applicant:

Manning, Percy
(Last) (First) (Middle)
Box 82
(Street or P.O. Box)
Natrona, Natrona, WY 82646
(City) (County) (State)

to construct, install, or modify a Commercial subsurface disposal

facility located in Sec. 4, T35N, R83W

(Legal Description)

in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
ADMINISTRATOR
Water Quality Division
REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
#1479
STATE OF WYOMING

Robert E. Sundin
DIRECTOR
Wyoming Dept. of Environmental Quality
REGISTERED PROFESSIONAL ENGINEER
ROBERT E. SUNDIN
NO. 285
STATE OF WYOMING

August 13, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-467R (EPA C560098)
Ref. No. 73-108RRRR

THAYNE WASTEWATER FACILITY REHABILITATION
(Name of Facility)

This permit hereby authorizes the applicant:

TOWN OF THAYNE, WYOMING

(Last)

(First)

(Middle)

P O Box 298

(Street or P.O. Box)

THAYNE

(City)

LINCOLN

(County)

WYOMING 83127

(State)

to construct, install, or modify a Wastewater Treatment Facility

facility located in S 14, T 34N, R 119

(Legal Description)

in the County of Lincoln, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

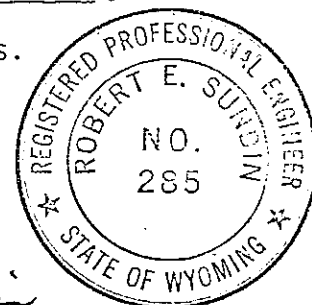
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



September 26, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

11-8-23-79

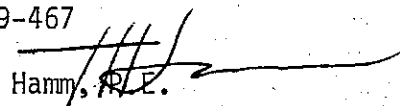
REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
~~XXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: Thayne Bid "B" Town only Sewage System Rehabilitation

ARCHITECT OR ENGINEER: Tudor Engineering, 450 South Federal Blvd.,
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 79-467

REVIEWING ENGINEER: David Hill, P.E., Tom Hamm, P.E. 

DATE OF REVIEW: August 20, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

General

1. Design and engineering data required. What data is available on soils that will makeup new RIBs?
2. Building rehabilitation not addressed.
3. A yard piping drawing is required.
4. The word "inlet" as used is confusing since it denotes inlets and outlets.
5. There is confusion in talking of secondary and storage lagoon and the 2 actual storage lagoons.
6. Why are electrical controls required for some Cells-Basins and not for others?
7. No comments are proffered on Bid Schedule A since an official review has not been made.
8. The number^{of} or time of compaction tests not specified.
9. Ouside of lagoons and ribs should have topsoil replaced and must be reseeded.
10. Complete design criteria is needed for review for Schedule B (i.e., K factors, D.T. in all cells, oxygen supplied, allowable industrial load, infiltration basin design, holding pond design, etc.).

11. If the infiltration basins are to be used in the winter months, a complete heat balance analysis is needed to insure the infiltration basins will not freeze.

Specifications

1. pTS-95, 6.22.3.c - Is the field drainage such that run off will be returned to the pond?
2. pTS-96, 6.23.2 - Bid item III should be IV B.
3. pTS-96, 6.23.4 - Should be Engineer approved material.
4. pTS-98, 6.24 - (a) Size or quantities must be stated. (b) 6.24.3.c - Liner manufacturer's representative should be present during the whole installation.
5. pTS-104, 6.25 - Show grid layout and length of slotted vinyl hose required.
6. pTS-104, 6.25.b - Sec. 6.3 is wrong and not applicable to this contract. Should be Sec. 6.24.
7. pTS-105, 6.25.3 - Sec. 6.3 is wrong and not applicable to this contract. Should be Sec. 6.23.3B.
8. pTS-105, 6.25.2.6 - The drawings do not show this.
9. pTS-106, 6.26.2a - Sec. 7.5 is structural steel; Sec. 7.4 is concrete.
10. pTS-108, 6.27.3.c - There are 3 compressors.
11. pTS-111, 6.28.3.d - Sec. 6.8-4 is wrong and not applicable to this contract. Should be Sec. 7.4.
12. pTS-112, 6.29 - (a) Bid item number is wrong. Should be "X-B". (b) No specs on wiring and controls and control locations. (c) 6.29.2.h - "Inlet Vault" wrong section for this.
13. pTS-115, 6.30 - (a) Bid item is wrong. Should be "1XB". (b) 6.30.3.b - Where is this on the drawings? (c) 6.30.3.d - Reference to Sec. 6.8-4 is wrong and not applicable to this contract. Should be Sec. 7.4.
14. pTS-118, 6.31 - (a) Nothing is said about the reduction in the sprayfield size or moving of pipes to get pond material. Don Armstrong said there would be. (b) 6.31.2.c - Should be to NEC and specify wire type; also size conduit.
15. pTS-121, 6.32 - (a) This item is not a bid item on pBD - 16, 17, 18. Bid item XIIB is "install sprayheader." (b) 6.32.b - Reference to Sec. 6.6-2(a) is wrong. Where are automatic 6 inch valves covered? (c) 6.32.3.b - Reference to Sec. 6.6 is wrong and not applicable to this contract. (d) 6.32.3.c - Reference to Sec. 6.8-4 is wrong and not applicable to this contract. Should be Sec. 7.4.

16. The section on the sprayheader is missing.
17. pSTS-9 - 7.4 - What is the sampling plan and number of samples required?
18. pSTS-41 - 7.7.2 - Is the 95% proctor standard or modified?
19. The second cell aeration equipment should have a specified oxygen transfer efficiency rate or at least a lbs. O₂/day requirement. Specifying a minimum SCFM is fine but it means nothing without a transfer efficiency or lbs. O₂/day requirement.
20. TS-96, 6.23.4, - T.S.-110, 6.28.3a, TS-116, 6.30.3a - Specifications do not state how many computation tests will be taken.
21. TS-102, 6.24.3.f - Testing - A time period for exfiltration tests shall be specified. Also, will clean water and wastewater be used for the test?
22. TS-102, 6.24.3.d - Earthen Cover Material - Recommend that specifications state that inspector or manufacturers representative must be notified in advance by contractor and be present for all liner covering operations.
23. TS-111, 6.28.3.6 - Specifications state that the lagoon discharge piping shall be laid at grades shown on drawings. The grades for all the piping is not shown on the drawings.
24. Because of the gravelly porous nature of the embankment material, will seepage through the embankments of the holding ponds be a problem? Are there enough fines to prevent this?
25. The outside slopes of the holding ponds and infiltration basins should be covered with top soil and reseeded to retard erosion.
26. S.T.S. 9 - I found no details on the frequency of sampling and testing of concrete by the owner.

Drawings

1. p1B - No piping diagrams are included to adequately cover the storage lagoons, - ribs, bypass line and equalization basins.
2. p2B - (a) Aerator layouts required. (b) Details on piping from aerator valves back to blower system required. (c) Nothing is contained on equalization basin work. Also, how and where is the bypass line to the equalization basin to be installed? (d) Nothing is contained about where the additional 6 aerators go in the equalization basin.
3. p3B - (a) Are the only cleanouts at the outlet from the equalization basin? (b) Breakout a detail of the liner-to-dike seal. (c) Detail bypass outlet in equalization basin.
4. p4B - The electrical details are inadequate for all work specified in the specs. Where are controls, local H-O-A switches, circuit breakers and other wiring diagrams. Show where and how everything electrical is connected.

5. p5B - (a) Is the inlet structure on P5B and 6B for the same place? (b) Where is the spec on the fiberglass insulation?
6. p6B - (a) Typical gate valve installation says "Water Main". (b) A local H-O-A switch is required also master controls and power distribution required. (c) There are no specs and/or details on the return water plant switches or related electrical equipment.
7. p7B - (a) Details of storage ponds and ribs required, length, width, slope-interior and exterior, top berm width, etc.
8. Sheet 2B specified replacing the liner and placing fill in cell #1 (equalization) with details on sheet 3B. No such details were found for cell #1 on sheet 3B. The bid schedule did not specify placing fill in cell #1, but the plans do. Confusion exists if cell #1 is supposed to be relined. There are no specifications in schedule B dealing with relining cell #1, as such, as there was for relining the equalization basin (cell #1) in schedule A. Please straighten this out.
9. All invert elevations and grades for piping must be shown (i.e., holding basins, infiltration basins, etc.) to insure proper cover and drainage.
10. Where are the monitoring well locations and specifications? Wells are needed down gradient from the infiltration basin.
11. The storage pond effluent structures should have provision for selective drawoff of wastewater to insure the infiltration basins are loaded with the best looking effluent.
12. Are the storage pond and infiltration dikes wide enough to accommodate trucks? A ramp to the dikes is also needed for future maintenance purposes.
13. A better yard piping layout is needed. The piping scheme should have the flexibility to serve any of the four infiltration basins from either storage pond.
14. Use wire mesh reinforcement around all pipe or splash pads. The extra cost is nominal considering the advantages.
15. Fencing details are needed for the storage pond-infiltration basin area.

cc: Robert Mitchell, P.E.
Kerr-McGee Center, T2202
Oklahoma City, Okla. 73125

MHS
10-2-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-468

KERR-McGEE CLOVIS POINT MINE LAB BUILDING

(Name of Facility)

This permit hereby authorizes the applicant:

Kerr-McGee Coal Corporation

(Last)

(First)

(Middle)

Caller Box 3014

(Street or P.O. Box)

Gillette

(City)

Campbell

(County)

Wyoming

82716

(State)


to construct, install, or modify a septic wastewater

facility located in Section 9, T.50N., R.71W.

(Legal Description)

in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

September 25, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-469

☐ Renewal

☐ Modified

HERITAGE HOMES FOUR-PLEX — BLOCK 3, LOTS 1, 2, and 3
(Name of Facility)

This permit hereby authorizes the applicant:

Heritage Homes

(Last)

(First)

(Middle)

P.O. Box 1504

(Street or P.O. Box)

Gillette

(City)

Campbell

(County)

Wyoming 82716

(State)

to construct, install, or modify a subsurface sewage disposal

facility located in Section 24, T.49N., R.72W.
(Legal Description)

in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
P.E. # 1479
STATE OF WYOMING

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality
REGISTERED PROFESSIONAL ENGINEER
ROBERT E. SUNDIN
NO. 285
STATE OF WYOMING

September 13, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Mr. Larry Clark
7400 Salt Creek Highway
Casper, Wyoming 82601

M to S
9.10.19

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-470R

☐ Renewal

☐ Modified

LEUENBERGER RESERVOIR, NORTH AND SOUTH

(Name of Facility)

This permit hereby authorizes the applicant:

Teton Exploration Drilling Co., Inc.

(Last)

(First)

(Middle)

P.O. Drawer A-1

(Street or P.O. Box)

Casper, Wyoming 82602

(City)

(County)

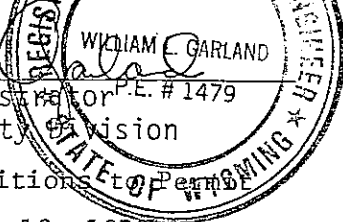
(State)

to construct, install, or modify a settling reservoir

facility located in Section 14, Township 34 North, Range 74 West,
(Legal Description)

in the County of Converse, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

ATTACHMENT: Conditions of Permit
September 10, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

Conditions to Accompany

Permit to Construct No. 79-470

for Teton Exploration Drilling Company, Inc.

The leak detection system for the reservoirs authorized by this Permit is to be monitored, when there is liquid in the reservoirs, at a minimum two-week interval. The detection of any liquid within the leak detection system shall be reported to the Water Quality Division within forty-eight (48) hours, and the results of all analyses of such liquids shall be reported to the Division, in writing, as soon as they are available.

MtoZ
8-23-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-471

☐ Renewal

☐ Modified

RAY HEWITT SEPTIC SYSTEM
(Name of Facility)

This permit hereby authorizes the applicant:

Hewitt
(Last)

Ray
(First)

(Middle)

P. O. Box 414

(Street or P.O. Box)

Jeffrey City
(City)

WY
(County)

82310
(State)

to construct, install, or modify a septic tank - leach field

facility located in Sec. 15, T. 29N, R. 92W

(Legal Description)

in the County of FREMONT

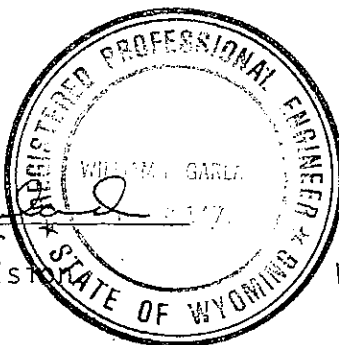
, in the State of

Wyoming. This permit shall be effective for a period of TWO years

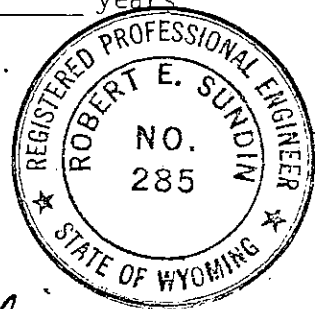
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garza
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 15, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-472 R

☐ Renewal

☐ Modified

Wind River Airpark and Riverton Industrial Park
(Name of Facility)

This permit hereby authorizes the applicant:

City of Riverton and Wind River Development
(Last) (First) (Middle)
c/o Frank Andrews, Atty.

Broadway at Park
(Street or P.O. Box)

Riverton, Fremont, Wyoming
(City) (County) (State)

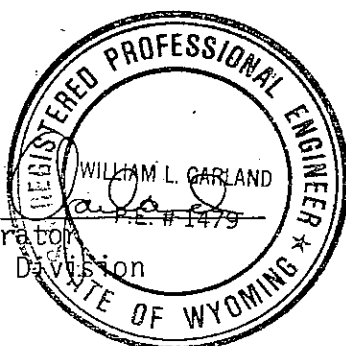
to construct, install, or modify a water distribution

facility located in Sec. 18, R. 1 N, R. 4 E.
(Legal Description)

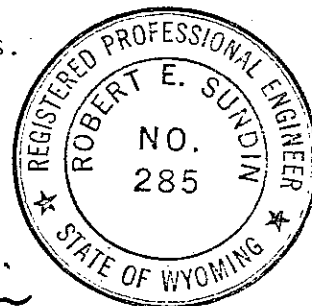
in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 31, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: WIND RIVER AIRPARK AND RIVERTON INDUSTRIAL PARK

ENGINEER: Elmo Peterson
Wind River Engineers
2333 Rose Lane
Riverton, WY 82501

OWNER: City of Riverton and Wind River Development
c/o Frank Andrews
Broadway at Park
Riverton, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 79-472

REVIEWING ENGINEER: Rick Engelmann



DATE OF REVIEW: August 18, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

1. What are the working main pressures in the airport area? Is there a storage tank by the airport?
2. Permastran spec. --- please see comment #3 on North Riverview Estates. (79-461) review.

cc: Jim White
Town of Torrington
P.O. Box 250
Torrington, WY 82240

M - 8-29-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-473R

☐ Renewal

☐ Modified

Town of Torrington - Municipal Well #11
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Torrington

(Last)

(First)

(Middle)

P.O. Box 250

(Street or P.O. Box)

Torrington,

(City)

Goshen,

(County)

WY 82240

(State)

to construct, install, or modify a municipal well

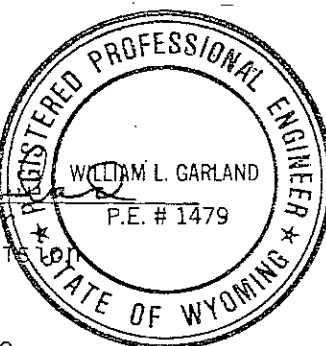
facility located in Sec. 3, T24N, R61W

(Legal Description)

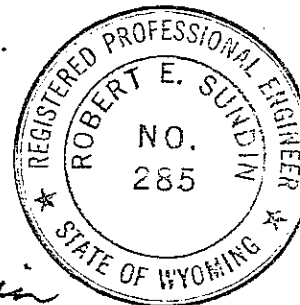
in the County of Goshen, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 22, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Jim White
Town of Torrington
P.O. Box 250
Torrington, WY 82240

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-474R

☐ Renewal

☐ Modified

Town of Torrington - Municipal Well #12

(Name of Facility)

This permit hereby authorizes the applicant:

Town of Torrington

(Last)

(First)

(Middle)

P.O. Box 250

(Street or P.O. Box)

Torrington,

(City)

Goshen,

(County)

WY 82240

(State)

to construct, install, or modify a municipal well

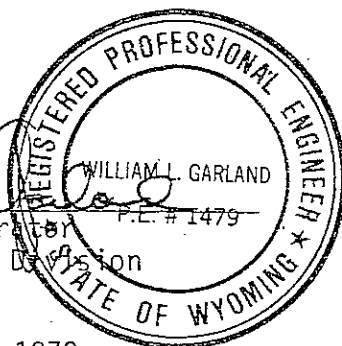
facility located in Sec. 10, T24N, R61W

(Legal Description)

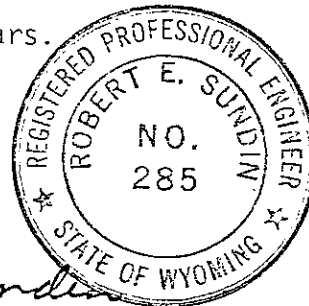
in the County of Goshen, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 22, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Jim White
Town of Torrington
P.O. Box 250
Torrington, WY 82240

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-475R

☐ Renewal

☐ Modified

Hill Ridge Municipal Water Booster Station
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Torrington

(Last)

(First)

(Middle)

P.O. Box 250

(Street or P.O. Box)

Torrington,

(City)

Goshen,

(County)

WY 82240

(State)

to construct, install, or modify a water booster station

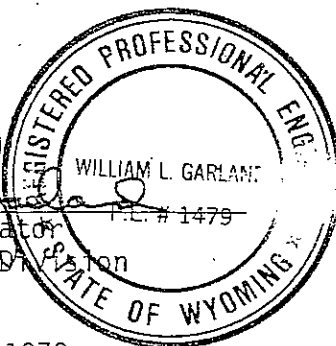
facility located in Sec. 10, T24N, R61W

(Legal Description)

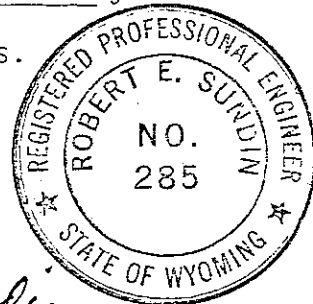
in the County of Goshen, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
P.E. # 1479



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 22, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: B.F. Cronin
P.O. Box 532
Casper, WY 82602

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-476

Reed Transportation, Lot 20, Hartranft Subdivision
(Name of Facility)

This permit hereby authorizes the applicant:

Larson Construction Co.

(Last) (First) (Middle)

P.O. Box 1527

(Street or P.O. Box)

Mills,

WY 82644

(City) (County) (State)

to construct, install, or modify a commercial subsurface disposal

facility located in Sec. 20, T34N, R79W

(Legal Description)

in the County of Natrona, in the State of

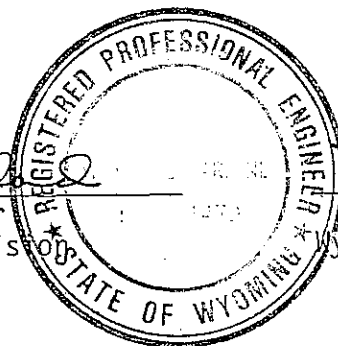
Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Gault

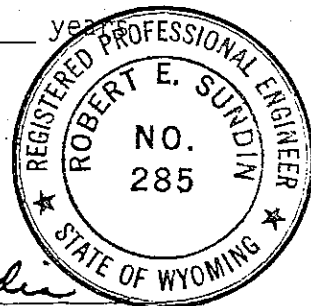
Administrator
Water Quality Division



Robert E. Sundin

Director

Wyoming Dept. of Environmental Quality



August 20, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-477R

☐ Renewal

☐ Modified

LAKE DeSMET MARINA CAMP SITE
(Name of Facility)

This permit hereby authorizes the applicant:

Texaco, Inc. Attention: Joe G. Kalus
(Last) (First) (Middle)

P.O. Box 980
(Street or P.O. Box)

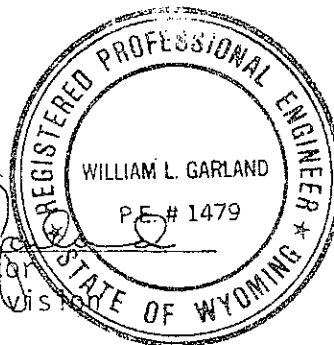
Buffalo Johnson Wyoming 82834
(City) (County) (State)

to construct, install, or modify a sewage treatment and collection
facility located in Section 21, T.52N., R.82W.
(Legal Description)

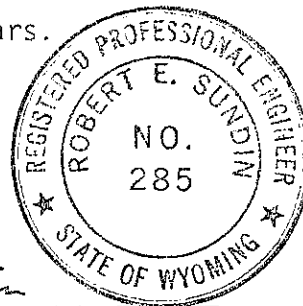
in the County of Johnson, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



December 6, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Terry Titus
632 S. David Street
Casper, WY 82601

Aug. 22-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-478

Brokerage Plaza

(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last)

(First)

(Middle)

200 N. David

(Street or P.O. Box)

Casper,

Natrona,

WY 82601

(City)

(County)

(State)

to construct, install, or modify a municipal distribution and collection system

facility located in City of Casper, S18, T33N, R79W

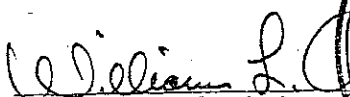
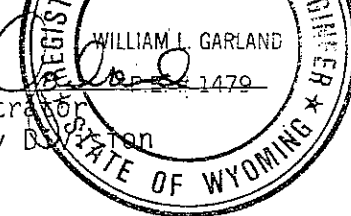
(Legal Description)

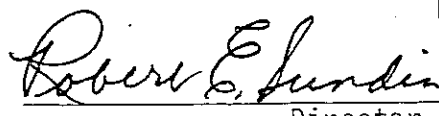
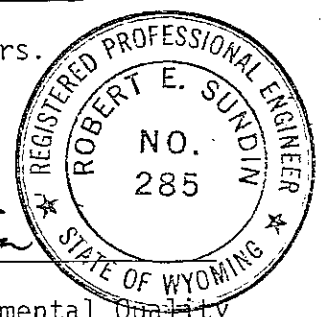
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:


WILLIAM L. GARLAND
1479
Administrator
Water Quality Division



ROBERT E. SUNDIN
285
Director
Wyoming Dept. of Environmental Quality


August 23, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-479RRRR

☐ Renewal

☐ Modified

Town of Dubois Water Storage Tank
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Dubois (Agent: Elmo Peterson)
(last) (First) (Middle)

Town Hall
(Street or P.O. Box)

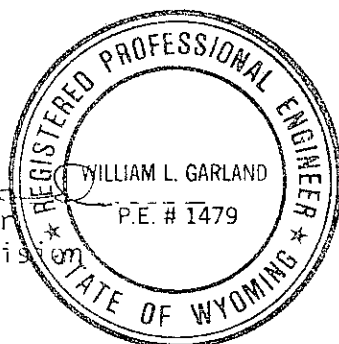
Dubois, Wyoming 82513
(City) (County) (State)

to construct, install, or modify a 400,000 gallon welded steel water tank
facility located in Sec. 2, T. 41 N., R. 107 W.
(Legal Description)

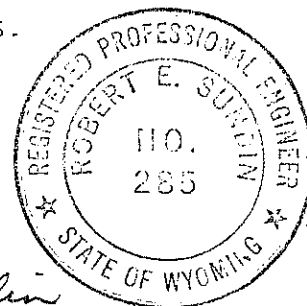
in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



January 3, 1980
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

THE STATE



OF WYOMING

Fremont Co. mark log as C

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

December 11, 1979

Wind River Engineers
2333 Rose Lane
Riverton, WY 82501

ATTN: Elmo G. Peterson, P.E.

RE: Temporary Approval for 400,000 Gallon
Water Tank and Line, Dubois, WY
No. 79-479RRR

Dear Mr. Peterson:

In reference to your letter to us dated December 10, 1979 and with our meeting today, this letter is to confirm our temporary approval for the issuance of a "Permit to Construct" for the aforementioned project.

The final "Permit to Construct" will be sent after we receive satisfactory shop drawings on the welded steel water tank to be fabricated and erected by Pittsburgh-Des Moines Steel Co.

We appreciate your prompt reply to our past review. If further information is required, please do not hesitate to advise.

Respectfully,

A handwritten signature in cursive script, reading "M. Robin Collins".

M. ROBIN COLLINS, P.E.
Environmental Engineer

cc: Town of Dubois
DEQ/WQD - Cheyenne ✓

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: 400,000 Gallon Water Tank and Line - Dubois, Wyoming

ENGINEER: Elmo G. Peterson, P.E.
Wind River Engineers
2333 Rose Lane
Riverton, WY 82501
OWNER: Town of Dubois
Town Hall
Dubois, WY 82513



WATER QUALITY DIVISION REFERENCE NUMBER: 79-479BA

REVIEWING ENGINEER: M. Robin Collins, P.E.

DATE OF REVIEW: November 20, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

In order to be consistent in our review of engineering projects, I have coordinated my review with Rick Engelmann and would like to offer the following comments for your consideration and action:

1. You mentioned in the specs on page 15211-1 that the overflow level of the tank shall be 23.9 feet but on the drawings (Detail "A") you show the overflow level at 30 feet 3 inches+. Which do you plan to follow?
2. More information on the design of the bolted joints must be submitted. Such design should address the bolt shear, bearing stress, bolt tension, minimum spacing, and tension on the net section as outlined for bolted joints in AWWA Standard - D103 for factory coated bolted steel tanks for water storage (tentative).
3. Further information on the gaskets and sealants to be utilized must be given in the specifications.
4. Specific reference should be made to the coating and painting materials to be utilized. In this case, citing a standard where only the end result is discussed is not satisfactory. We need to know if the manufacturer will use his own coating or if an equivalent generic system will be used. Toxicological information should also be given on the coating and painting materials, or at least documentation of the materials approval by an agency of the U.S. Government for its use in contact with potable water.
5. (a) It is recommended, although not required at this time, that the overflow be screened with at least 16 mesh brass, copper, or bronze (non-corrodible) screen.

REVIEW OF PLANS

400,000 GALLON WATER TANK - DUBOIS, WY

79-479RR

NOVEMBER 20, 1979

PAGE TWO

(b) Also, the vent(s) for this type of storage tank should be screened so as to prevent the entrance of birds, animals, insects and dust.

6. Although I do not have a copy of AWWA D102-64, I do not feel that the disinfection procedure given in the specifications can adequately do its intended purpose, especially near the top of the tank. I would appreciate your comments on using the following disinfection specification:

Disinfection

After the tank has been completed and ready for service, the Contractor shall wash down the walls and floor. Flush all water lines leading to the tank. Fill the bottom 1.5 feet of the tank with water and a mixture of 12 pounds of HTH to form a mixture with at least 50 ppm chlorine. The walls, floors, and riser pipe should then be scrubbed thoroughly with this solution containing at least 50 mg/l of chlorine. Following this, the solution should be rinsed off by washing the walls and floor with a stream of potable water. Allow this to remain for 24 hours. The tank should then be filled with water containing 2 mg/l of chlorine, and if after 8 hours contact, 1 mg/l residual remains, the tank is ready for use. This water may be used in the distribution system after a satisfactory bacteriological sample has been taken.

If you have any questions concerning this review or if further information is required, please do not hesitate to contact us.

REVIEW OF PLANS AND SPECIFICATIONS

WATER QUALITY DIVISION

933 MAIN STREET,

LANDER, WYOMING, 82520.

(307) 332-3144

PROJECT: 400,000 Gallon Water Tank and Line, Dubois, WY

ENGINEER: Elmo G. Peterson
Wind River Engineers
2333 Rose Lane
Riverton, WY 82501

OWNER: Town of Dubois
Town Hall
Dubois, WY 82513

WATER QUALITY DIVISION REFERENCE NUMBER: 79-479 R

REVIEWING ENGINEER: Rick Engelmann

DATE OF REVIEW: October 26, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

1. Where does the "A frame" pump house fit into the system? I don't believe that I have seen reference made to this before.
2. I am a little confused about the revised disinfection and pointing specs. Two sheets were sent in, one being p. 15210-3, the other 15211-2. Neither one seems to fit in with section 15210 in the spec book originally sent.
3. We will not be able to issue a permit to construct until we receive acceptable fabrication drawings and specs. However, I will commit myself to looking at those as quickly as possible to prevent unnecessary delays.



REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: 400,000 Gallon Water Tank and Line, Dubois

ENGINEER: Elmo G. Peterson
Wind River Engineers
2333 Rose Lane
Riverton, WY 82501

OWNER: Town of Dubois
Town Hall
Dubois, WY 82513



WATER QUALITY DIVISION REFERENCE NUMBER: 79-479

REVIEWING ENGINEER: Rick Engelmann

A handwritten signature in black ink, appearing to read "Rick Engelmann", written over the printed name.

DATE OF REVIEW: August 27, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

GENERAL

1. We need some clarification of the scope of this project. Just what portions of the water system are being covered by this application? I'm confused. For example, section 15200 seems to contradict what is stated on p. 01010-1. On p. 15200-1, it is stated that "Pump shall be as noted on drawings" -?? There is also a spec. for sewer pipe, section 05064 (by any chance is this for the tank buried overflow line?).
2. How will the old well fit into the system?
3. We need the following:
 - a. Clarification of main layout at E. Fairview and clubhouse drives.
 - b. A rewrite of the permastran pipe spec. See comment #3 of the North Riverview Estates W & S review.

TANK

1. We will need shop drawings from the tank fabricator for final approval. Although the overall design appears acceptable, the fabricator should keep in mind that we adhere closely to AWWA D100 & Ten States Std. when it comes to steel, steel thickness, hatches

and manholes, welding, & vents.

2. I am a bit concerned about the proposed method of disposal of the disinfection water and the introduction of chlorine into the Wind River. See enclosed. A fish kill could get the town into trouble with Game & Fish.

3. Are you sure vinyl red lead is acceptable for contact with drinking water? - I can't find any reference to it in AWWA D102-78.

4. Please provide the following:

- a. A provision to bypass the tank at the tank.
- b. A screened downturned overflow outlet.
- c. Spec. for level control in tank.

cc: Keith Wysocki
1058 Kentucky
Sheridan, WY 82801

PERMIT TO CONSTRUCT

M405
15-2-79

☒ New
☐ Renewal
☐ Modified

Permit No. 79-480R

NORTH HEIGHTS SUBDIVISION, PHASE 2
(Name of Facility)

This permit hereby authorizes the applicant:

Roberts Donald
(Last) (First) (Middle)

Heights Development Corporation

35 North Scott

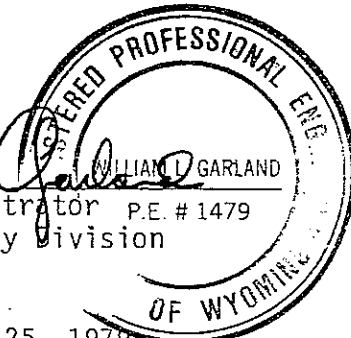
(Street or P.O. Box)

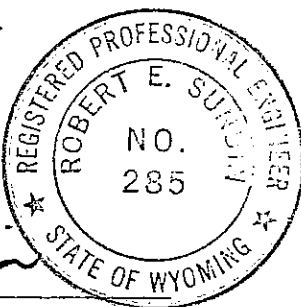
Sheridan Sheridan Wyoming 82801
(City) (County) (State)

to construct, install, or modify a water distribution and sewage collection
facility located in Section 21, T.56N., R.84W.
(Legal Description)

in the County of Sheridan, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator P.E. # 1479
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


September 25, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Malcolm Crawford
Campbell County Sanitarian
Box 2848
Gillette, WY 82716

mtos
8-29-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-481RR

☐ Renewal

☐ Modified

RIGHT LIQUOR STORE SEWAGE SYSTEM
(Name of Facility)

This permit hereby authorizes the applicant:

Don Materi

(Last)

(First)

(Middle)

c/o Western Engineers/Architects
501 North Sun Drive

(Street or P.O. Box)

Casper,

(City)

(County)

WY 82601

--(State)

to construct, install, or modify a electro-osmosis septic

facility located in Section 26, T.44N., R.72W.

(Legal Description)

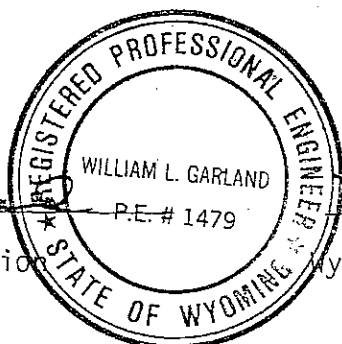
in the County of Campbell, in the State of

Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

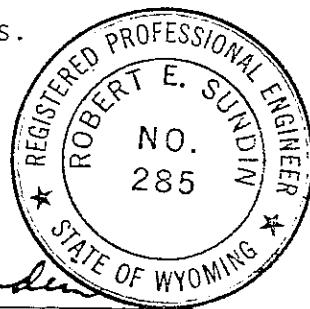
William L. Garland
Administrator

Water Quality Division



Robert E. Sundin
Director

Wyoming Dept. of Environmental Quality



August 20, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: E. Dean Brown
Box 202
Kaycee, Wyoming 82639

M 405
9-7-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-482

BROWN ADDITION, TOWN OF KAYCEE
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Kaycee

c/o Donald L. Bell

(Last) (First) (Middle)

Box 606

(Street or P.O. Box)

Evansville, Wyoming 82636

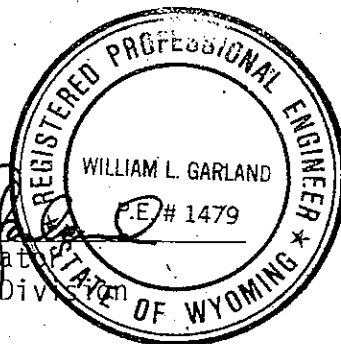
(City) (County) (State)

to construct, install, or modify a water distribution and sewage collection
facility located in Section 12, T.43N., R.82W.
(Legal Description)

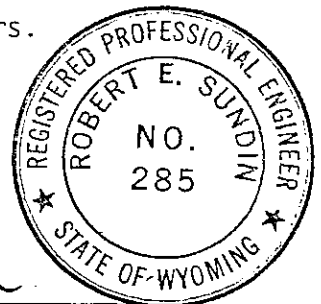
in the County of Johnson, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



September 4, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: T. J. Lavery
1221 Linda Vista
Casper, WY 82601

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-483R

☐ Renewal

☐ Modified

EXXON HIGHLAND MINE SHOP FACILITY

(Name of Facility)

This permit hereby authorizes the applicant:

Exxon Minerals Company

(Last)

(First)

(Middle)

Box 3020

(Street or P.O. Box)

Casper

(City)

Converse

(County)

Wyoming 82602

(State)

to construct, install, or modify a sewage disposal

facility located in Section 28, T.36N., R.72W.

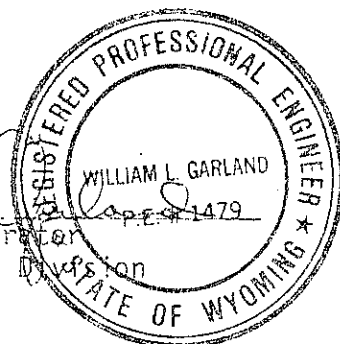
(Legal Description)

in the County of Converse, in the State of

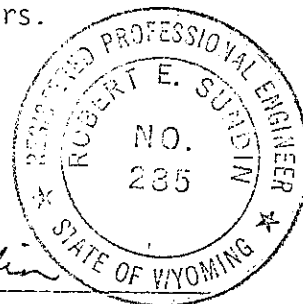
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



January 10, 1980

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

2/14/80

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~XXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.

Cheyenne, Wyoming 82002

PROJECT: Sanitary Sewer and Water Improvements, Park Estates, Third Filing,
Laramie Co.

ARCHITECT OR ENGINEER: CSSA, 1780 Westland Road, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 79-484

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: August 17, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

A. General

Two copies of an application for a Permit to Construct must be submitted along with two copies of the plans and specifications.

B. Sewer Line Construction

A letter of verification from the City of Cheyenne stating that the municipal wastewater treatment plant is capable of handling the additional organic and hydraulic loading must be included with the application (paragraph 1.0, page 9, Chapter III, Wyoming Water Quality Rules & Regulations).

C. Water Line Construction

1. A letter of verification is required from the City of Cheyenne stating that they can adequately supply drinking water at a required pressure of 20 psi under all flow conditions at all points in the distribution system.
2. Testing, Cleaning, and Disinfecting Water Mains (21.06A), the AWWA Standard C600-77 has reduced the allowable leakage rates according to the equation
$$L = \frac{NDVP}{7400}$$
3. How will water/sewer line crossovers be constructed? Recommend insertion of attached "Requirements for Horizontal and Vertical Separation Between Water and Sewer Mains" to the construction specifications.
4. An air release valve or hydrant in Magnolia Drive at the high point of water main shall be installed.

cc: Richard G. Zinn
6820 W. Yellowstone
Casper, WY 82601

PERMIT TO CONSTRUCT

9-5-79

☒ New

☐ Renewal

☐ Modified

Permit No. 79-485RR

Topaz Addition, Town of Mills

(Name of Facility)

This permit hereby authorizes the applicant:

Alloway,

Everett (Topaz, Inc.)

(Last)

(First)

(Middle)

Box 517

(Street or P.O. Box)

Casper,

Natrona,

WY 82602

(City)

(County)

(State)

to construct, install, or modify a offsite sewer, lift station

facility located in Sec. 12, T33N, R80W

(Legal Description)

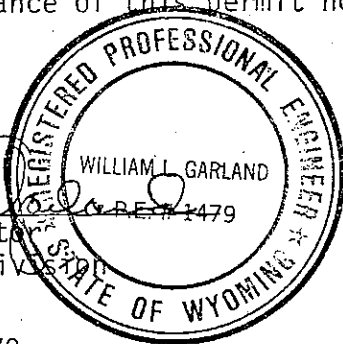
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

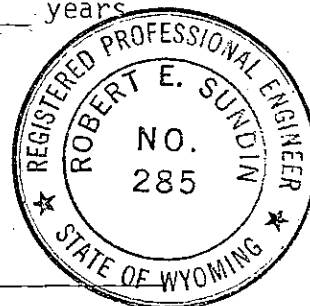
AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin

Director
Wyoming Dept. of Environmental Quality



August 29, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: Colin Cunningham
200 N. David
Casper, WY 82601

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-486

Replacement of Water Main to Natrona County Airport
(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last) (First) (Middle)

200 N. David

(Street or P.O. Box)

Casper,

Natrona,

WY 82601

(City)

(County)

(State)

to construct, install, or modify a municipal distribution system

facility located in the City of Casper

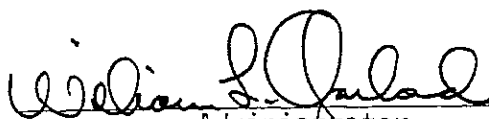
(Legal Description)

in the County of Natrona, in the State of

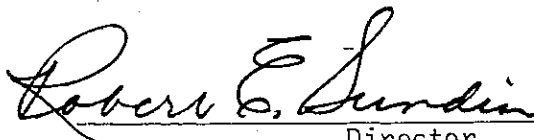
Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

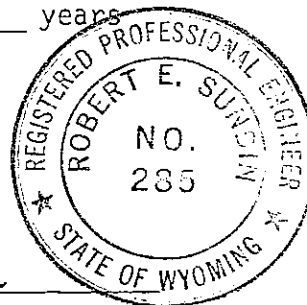
AUTHORIZED BY:



Administrator
Water Quality Division



Director
Wyoming Dept. of Environmental Quality



September 19, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: E. C. Lenhart
632 S. David
Casper, WY 82601

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

Permit No. 79-487

☐ Modified

Wolf Creek One Addition

(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last)

(First)

(Middle)

200 N. David

(Street or P.O. Box)

Casper,

Natrona,

WY 82601

(City)

(County)

(State)

to construct, install, or modify a municipal water distribution and sewage collection
system

facility located in City of Casper

(Legal Description)

in the County of Natrona, in the State of

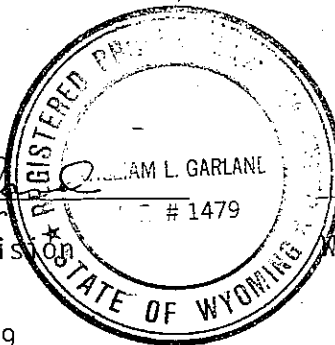
Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

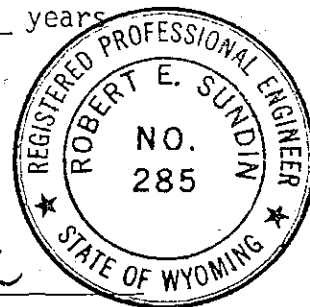
William L. Garland

Administrator
Water Quality Division



Robert E. Sundin

Director
Wyoming Dept. of Environmental Quality



August 21, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~XXXXXXXXXXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.

Cheyenne, Wyoming 82002

PROJECT: Wolf Creek One Addition, Casper Board of Public Utilities, Natrona Co.

ARCHITECT OR ENGINEER: E.C. Lenhart, 632 S. David, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-487

REVIEWING ENGINEER: Robert H. Pinther, M.S., P.E.

DATE OF REVIEW: August 15, 1979

ACTION: CONSTRUCTION AUTHORIZED

COMMENTS:

Apply the attached "Requirements for Minimum Horizontal & Vertical Separation Between Water & Sewer Mains" to all crossings.

cc: E.C. Lenhart
632 S. David
Casper, WY 82601

PERMIT TO CONSTRUCT

Book
11-9-26-98

☒ New
☐ Renewal
☐ Modified

Permit No. 79-488R

Wolf Creek One - Arroyo Drive Water Main

(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last) (First) (Middle)

200 N. David

(Street or P.O. Box)

Casper, Natrona, WY 82601

(City) (County) (State)

to construct, install, or modify a water distribution system

facility located in the City of Casper

(Legal Description)

in the County of Natrona, in the State of

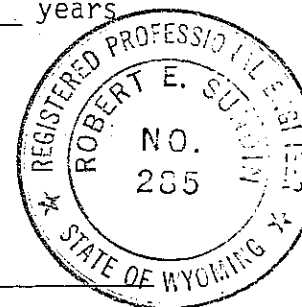
Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Galan
Administrator
Water Quality Division

Robert E. Lundin
Director
Wyoming Dept. of Environmental Quality



September 20, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

10-11-79

XXXXXXXXXXXXXXX HATHAWAY BLDG.
CHEYENNE, WYOMING 82002

ARCHITECT OR ENGINEER: E.C. Lenhart, 632 S. David, Casper, WY. 82601

REVIEWING ENGINEER: *R.H.P. by me*
Robert Pinther, M.S., P.E.

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

1. Provide an 18" vertical separation between the 12" DIP and the 24" storm sewer at the point where the water goes under the sewer at the intersection of Arroyo Drive and Rainbow Drive - West 45th Ave. (pp 3 of 4 of the plans).
2. At the crossing referred to above also provide the following construction:
 - a. The storm sewer shall be constructed of materials and with joints that are equivalent to water main standards of construction and shall be pressure tested to assure watertightness prior to back-filling.
 - b. Provide adequate structural support for the sewer to prevent excessive deflection of the joints and settling on and breaking the water main.

cc: Bennet-Carder & Associates, Inc.
P.O. Box 1324
Rock Springs, WY 82901
ATTN: Harry J. Kessner, P.E.

Uinta County Association of Governments
Uinta County Courthouse
Evanston, WY 82930
ATTN: Dennis Farley, Planner

PERMIT TO CONSTRUCT

M 10-1
9-7-79

☒ New
☐ Renewal
☐ Modified

Permit No. 79-489

Northern Gas Products Co.
(Name of Facility)

This permit hereby authorizes the applicant:

Northern Gas Products Co.

(Last) (First) (Middle)

2223 W. Dodge St.

(Street or P.O. Box)

Omaha,

Nebraska 68102

(City) (County) (State)

to construct, install, or modify a septic tank - leach field

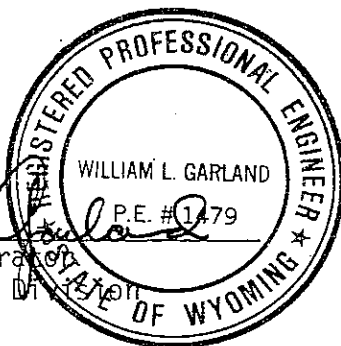
facility located in Sec. 6, T15N, R19W

(Legal Description)

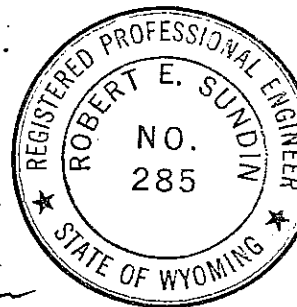
in the County of Uinta, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 30, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

1188
8-27-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-490

TOWN OF MARBELTON WYOMING

(Name of Facility)

This permit hereby authorizes the applicant:

TOWN OF MARBELTON

(Last)

(First)

(Middle)

P. O. Box 611

(Street or P.O. Box)

Big Piney

(City)

WY

(County)

83113

(State)

to construct, install, or modify a wastewater collection

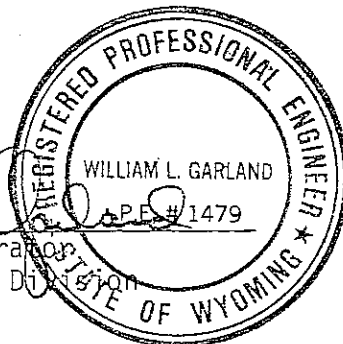
facility located in Sec. 30, T. 30N, R. 111W

(Legal Description)

in the County of SUBLETTE, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

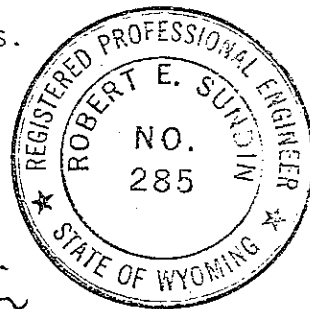
AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director

Wyoming Dept. of Environmental Quality



8-22-79

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Rob Roy Logan
Box 494
Rawlins, WY 82301

Back
M-10-30-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-491RRR

River Bend Estates

(Name of Facility)

This permit hereby authorizes the applicant:

Stafford Well Service, Inc.

(Last)

(First)

(Middle)

P.O. Box 820

(Street or P.O. Box)

Buffalo,

WY 82834

(City)

(County)

(State)

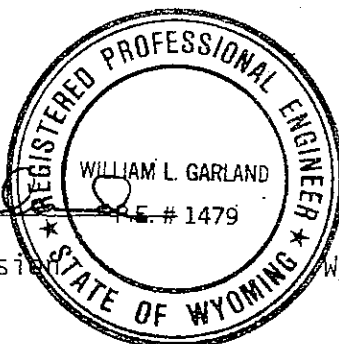
to construct, install, or modify a water source development & distribution and
small sewage evaporative
facility located in Sec. 35, T21N, R85W

(Legal Description)

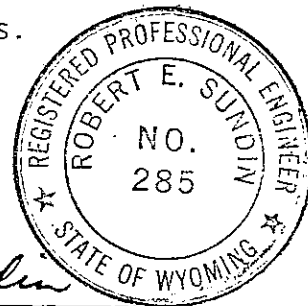
in the County of Carbon, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 25, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

11
10-3-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~XXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.

Cheyenne, Wyoming 82002

PROJECT: River Bend Estates Trailer Court, Carbon Co.

ARCHITECT OR ENGINEER: Rob Roy Logan, P.O. Box 494, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 79-491RR

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: October 4, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Storage Tanks

1. Disinfection of the storage tanks and distribution lines must be accomplished in two different operations. Injection of chlorine at the well head, circulation, and holding for the entire system at one time is not acceptable (AWWA Standard 102).
2. Provide specifications for interior water storage tank protective coating. Proper protection shall be given to metal surfaces by paints or other protective coatings. Ten State Standard 7.0.16.
3. Provide material/protective coating specification for surge tank.
4. What is pumping rate (gpm) for pump supplying drinking water from tank to trailer court system? Surge tank volume must be at least ten times the pumping capacity. For example, 250 gpm pumping rate requires a surge tank volume of at least 2500 gallons.

Well

1. Provide complete chemical (including heavy metals, arsenic, barium, cadmium, chromium, lead, mercury, nitrates, selenium, and silver), bacteriological, and radiological analyses of the well water for approval prior to use.
2. Chlorination capability must exist for well water at the point where the water enters storage tank, not at point where water enters trailer court supply line.

River Bend Estates Trailer Court
DEQ/WQD Ref. No. 79-491RR
October 4, 1979
Page two

3. Adequate facilities for chlorination equipment still do not exist. Mechanical exhaust ventilation, leak testing capability, separate storage area for chlorine gas bottles, etc. must be provided in the construction plans. We realize that chlorination will be normally applied to the water, but the capability and facilities must be provided for potential future requirements which would be dictated by a change in water quality (see Ten State Standards).

Bull?
10-2-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
Hathaway Office Building
Cheyenne, Wyoming 82002

PROJECT: River Bend Estates Mobile Home Park, Sec. 35, T21, R85, Carbon Co.

ARCHITECT OR ENGINEER: Rob Roy Logan, Box 494, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 79-491R

REVIEWING ENGINEER: Jake Strohman, P.E. *WJS*

DATE OF REVIEW: *September*
~~August~~ 6, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Furnish the following information. Plans are not complete enough to evaluate.

Water Distribution

1. Disinfection specifications should read "50 ppm" instead of ".5 ppm" per AWWA C601.
2. A flushing valve or blowoff valve is required at the end of the water main on the West Side of the park. Recommend looping the entire system.
3. Fire hydrants cannot be installed on a 4" line.
4. Where are the thrust blocks located and what are the specifications?
5. Furnish water line installation specifications, i.e., depth of bury bedding, etc.
6. What is the operating pressure of the system? Furnish design. Is 60 psi pressure tests $1\frac{1}{2}$ times operating pressure?

Pumping Station

1. Furnish the design on the system. How are the two pumps supposed to operate?
2. Furnish pump specifications and curves.
3. What is the volume, location and specifications on the pressure tanks?
4. Indicate piping size, reducers, valves, check valves, pump mounts, etc. to be installed in pump room. See "Ten State Standards".

Storage Tanks

1. Furnish material specifications and details on both storage tanks.
2. What freeze protection is to be provided? The inlet as shown on the plans does not provide freeze protection.
3. Furnish all details on access, drain, overflow, and vents.
4. Provide disinfection specifications (see ASTM D102).

Well

1. What is the material specifications and thickness of the well casing?
2. Mr. Stafford indicates the well is not a pitless adapter. What is the actual well construction and pump installation?
3. Where is the check valve located?
4. Provide yield and drawdown tests per "Ten State Standards."
5. What is the actual output of the well?
6. Furnish information and specifications of well pump.
7. Furnish chemical analysis including heavy metals.
8. Furnish bacteriological analysis.
9. Furnish radiological analysis.

Chlorine Gas

Furnish specifications including hookup of chlorination unit. Design storage room according to "Ten State Standards."

Sewage

Theoretically a small one cell lagoon system will seal off and very little percolation is experienced. The evaporation will not take care of the flow coming into the lagoon. The facility will theoretically discharge. Arrangements must be made for additional cells and detention time.

The pond construction details should be provided including access and warning signs.

Sewage Collection System

1. What are the alignment specifications?

2. What are the installation specifications?
3. What are the infiltration-exfiltration specifications?
4. What are the deflection testing specifications?
5. Furnish manhole installations and material specifications (ASTM C478) and details.
6. Furnish cleanout specifications and details.

Sewage Lift Station

1. "Ten State Standards" requires two pumps for the lift station.
2. What are the material specifications for the lift station?
3. What are the pump characteristics and curves?
4. The wet well holds less than 11 gallons. Will this cause pump motor overheating due to frequent starts?
5. Indicate valves and accessibility for maintenance.
6. An alarm system is required.

B-6 03-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~XXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: River Bend Estates, Carbon Co.

ARCHITECT OR ENGINEER: Rob Roy Logan, P.O. Box 494, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 79-⁴⁹¹~~481~~

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: August 22, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Due to an incomplete submission, this Division cannot accomplish a thorough review of the proposed construction. Submit two complete sets of construction plans and material/construction specifications. Submission must include, at least, the following information: water/sewer line profiles, detail drawings of sewer/water line crossovers, individual home water/sewer hookups, water storage tank, septic tank, lift station (including capacity), pressure and disinfection testing procedures, etc. Also provide complete chemical analyses, including heavy metals and radiological, for drinking water source. Provide sewer lagoon design data which would verify that it can adequately handle hydraulic loading of park.

cc: Paul A. Rechar
316 Stuart Street
Laramie, Wyoming 82070

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-492R

☐ Renewal

☐ Modified

DUTCHMAN MINE SETTling PONDS A, B, AND C
(Name of Facility)

This permit hereby authorizes the applicant:

Great Plains Resources
(Last)

(First)

(Middle)

P.O. Box 1510

(Street or P.O. Box)

Laramie, Wyoming 82070

(City)

(County)

(State)

to construct, install, or modify a runoff settling pond

facility located in Section 16, T.54N., R.82W.

(Legal Description)

in the County of Sheridan, in the State of

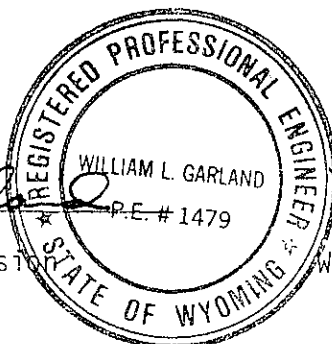
Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

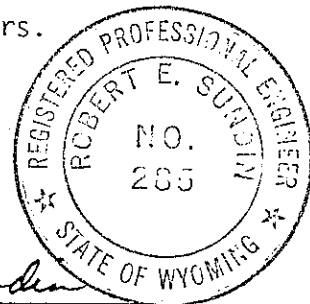
NOTE: See Condition attached to this permit.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



November 28, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

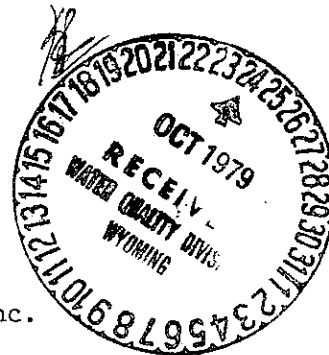
Conditions to Accompany
Permit to Construct No. 79-492R
for Great Plains Resources' Dutchman Mine

The permittee shall operate the mine pit dewatering facilities in such a manner as to minimize the discharge into natural drainages of coal fines and other suspended solids, to approximately the limits outlined in the NPDES Permit for this facility.

Chapman

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
30 East Grinnell
Sheridan, Wyoming 82801



PROJECT: Dutchman Mine, Settling Ponds A, B and C

ARCHITECT OR ENGINEER: Paul A. Rechard, Hydrology Associates, Inc.
406 South 21st Street, South Suite
Laramie, Wyoming 82070

WATER QUALITY DIVISION REFERENCE NUMBER: 79-492

REVIEWING ENGINEER: Tom Mueller *TJM*

DATE OF REVIEW: 10/18/79

ACTION: Not Authorized for Construction. See Comments.

COMMENTS:

1. The use of in-stream ponds for the treatment of water taken from coal mine pits will no longer be approved by this office. There are numerous coal mines in this area which make successful use of off-stream ponds to treat pit water for compliance with NPDES permit standards. It is recognized that the requirement for off-stream ponds may require the relocation of some ponds during the mine life, particularly at restricted sites such as the Dutchman Mine. This disadvantage, however, may be partially offset by reductions in sedimentation pond sizing requirements.
2. It is stated in the text that Pond C must be built at the same time as Pond A. The mine plan, which shows Pond C being constructed during Year 11, should be corrected to reflect the text.
3. On the Construction Drawings for Ponds A and C, there is a Note on the Spillway Sheets which does not appear to bear any relation to this project.
4. On Ponds A, B and C, is there any possibility that discharge from the spillway may cause serious erosion on the downstream dam face, at the point where the spillway meets the toe of the dam? (To clarify, this would be at Section B-B' on the Spillway construction drawings for Ponds A and C.)
5. The Mine Plan Map shows a ditch around a topsoil pile which will carry drainage runoff into Pond A. Has this area been included in the runoff and sediment storage calculations?

6. On Page 3 of the Project Description, Settling Pond B is described as having a surface area of 4.8 acres and a capacity of 19.9 acre-feet. This is evidently an error, as corresponding values in the remainder of the documents are 4.04 acres and 14.9 acre-feet.
7. The Specifications were apparently adapted from those for a different project. Elevations in the Specifications should be changed to correspond with those shown on this project.
8. It is suggested that the trash rack, as shown on the Outlet Works sheets for Ponds A and C, be rotated 90 degrees to allow proper installation of the slide valve.
9. Calculations verifying the proposed sediment volume of 0.1 acre-foot/acre of disturbed area should be provided.

cc: Terry Titus
Worthington, Lenhart & Carpenter, Inc.
632 S. David
Casper, WY 82601

Book
M 10-11-79

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

Permit No. 79-493R

☐ Modified

Bell Valley Water Distribution Extension
(Name of Facility)

This permit hereby authorizes the applicant:

Alcova Acres Investment

(Last) (First) (Middle)

5012 Alcova Rt., Box 6

(Street or P.O. Box)

Casper, Natrona, WY 82601

(City) (County) (State)

to construct, install, or modify a water distribution extension

facility located in Sec. 27 and 34, T33N, R80W

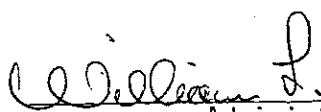
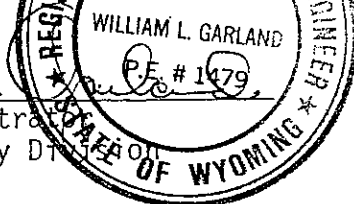
(Legal Description)

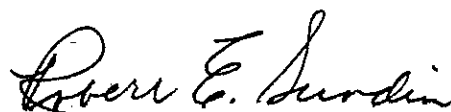
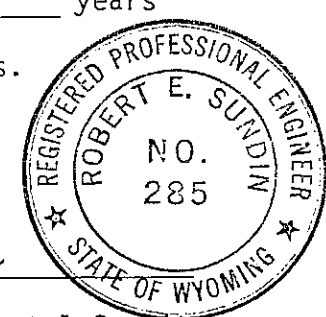
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:


Administrative Director
Water Quality Division



Director
Wyoming Dept. of Environmental Quality


October 9, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

9-4-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ Hathaway Bldg.

Cheyenne, Wyoming 82002

PROJECT: Bell Valley Water Distribution Extension, Natrona Co.

ARCHITECT OR ENGINEER: Terry Titus, Worthington, Lenhart & Carpenter, Inc.,
632 S. David, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-493

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: August 27, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. What is the source of the water supply? If supplied by Alcova Acres Investments, provide design calculations to indicate that the supply/storage capacity is adequate to supply drinking water and fire protection. Provide system pressure analysis.
2. Where is the storage tank referenced in the construction specifications? Provide detail drawing indicating construction details.
3. Will private wells also be provided (as indicated on the plat) with the public water supply system?

cc: Gene Hackleman
VTN Wyoming
330 North Main
Sheridan, WY 82801

8-10-2-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-494

☐ Renewal

☐ Modified

ROCKY MOUNTAIN BAPTIST CHURCH

(Name of Facility)

This permit hereby authorizes the applicant:

Rocky Mountain Baptist Church

(Last)

(First)

(Middle)

Box 4042

(Street or P.O. Box)

Sheridan

(City)

Sheridan

(County)

Wyoming 82801

(State)

to construct, install, or modify a sewage disposal field

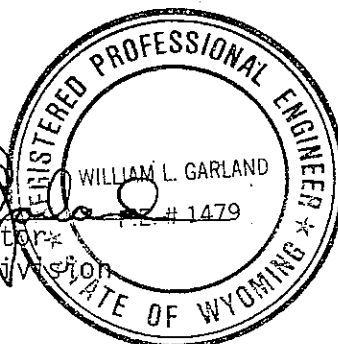
facility located in Section 23, T.56N., R.84W.

(Legal Description)

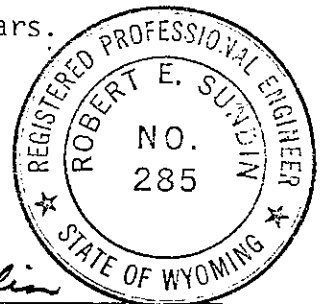
in the County of Sheridan, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator*
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



September 26, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

M-405
10-10-79

☒ New

Permit No. 79-495

☐ Renewal

☐ Modified

COLLINS DRAW SOLUTION MINE, SANITARY LEACH FIELD
(Name of Facility)

This permit hereby authorizes the applicant:

Attention: Gary Somerville

The Cleveland Cliffs Iron Company

(Last)

(First)

(Middle)

P.O. Box 3140

(Street or P.O. Box)

Casper, Wyoming 82602

(City)

(County)

(State)

to construct, install, or modify a sanitary sewage disposal field

facility located in Section 35, T.43N., R.76W.

(Legal Description)

in the County of Campbell, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

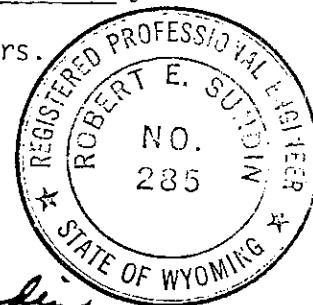
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



September 27, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Paul A. Rechard
Hydrology Associates, Inc.
316 Stuart Street
Laramie, Wyoming 82070

PERMIT TO CONSTRUCT

11/409
10-10-79

☒ New
☐ Renewal
☐ Modified

Permit No. 79-496

JACOBS RANCH MINE, PIT NO. 1 RESERVOIR
(Name of Facility)

This permit hereby authorizes the applicant:

Kerr-McGee Coal Corporation

(Last)

(First)

(Middle)

Caller Box 3013

(Street or P.O. Box)

Gillette

(City)

Campbell

(County)

Wyoming 82716

(State)

to construct, install, or modify a mine sediment reservoir

facility located in Section 15, T.43N., R.70W.

(Legal Description)

in the County of Campbell, in the State of

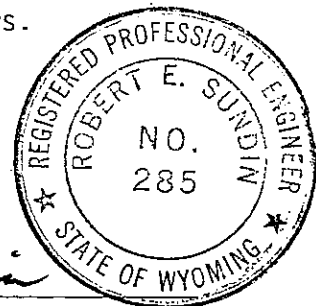
Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Chaloud
Administrator
Water Quality Division

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 3, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: E. C. Lenhart
632 S. David Street
Casper, WY 82601

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

☐ Modified

Permit No. 79-497

Pierce Addition

(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last)

(First)

(Middle)

200 N. David

(Street or P.O. Box)

Casper,

Natrona,

WY 82601

(City)

(County)

(State)

to construct, install, or modify a municipal distribution and collection system
facility located in City of Casper

(Legal Description)

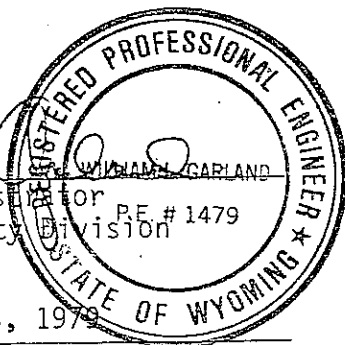
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

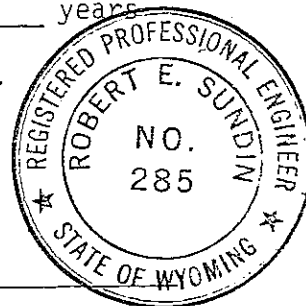
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
P.E. # 1479
August 23, 1979
Date of Issuance



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: Rob Roy Logan
Box 494
Rawlins, WY 82301

MT 11-29-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-498R

☐ Renewal

☐ Modified

United Campground

(Name of Facility)

This permit hereby authorizes the applicant:

Harold E. Wilson

(Last)

(First)

(Middle)

Box 711

(Street or P.O. Box)

Saratoga,

(City)

(County)

WY 82331

(State)

to construct, install, or modify a water distribution and sewage evaporative and collection system


facility located in Sec. 26, T21N, R85W

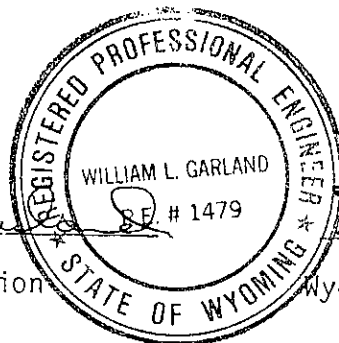
(Legal Description)


in the County of Carbon, in the State of Wyoming. This permit shall be effective for a period of two (2) years

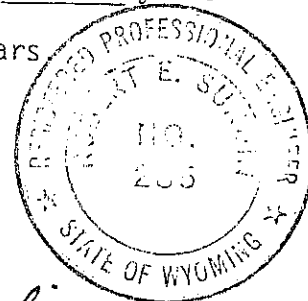
from the date of issuance of this permit not to exceed five (5) years

AUTHORIZED BY:


Administrator
Water Quality Division




Director
Wyoming Dept. of Environmental Quality



November 27, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

☐ New
☒ Renewal
☐ Modified

Permit No. 79-498R

United Campground
(Name of Facility)

This permit hereby authorizes the applicant (name and address):

Mr. Harold E. Wilson

721 E. Murray Street

Rawlins, WY 82301

to construct, install, or modify a commercial wastewater collection and evaporative disposal systems and a public water supply distribution system facility according to the procedures and conditions of the application No. 79-498R. The facility is located in Section 26, T21N, R85W in the County of Carbon, in the State of Wyoming.

This permit shall be effective for a period of two (2) years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The Permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

79-498K

APPLICATION FOR
PERMIT TO CONSTRUCT, INSTALL OR MODIFY
PUBLIC WATER SUPPLIES AND WASTEWATER FACILITIES
IN WYOMING

MAR 1982
RECEIVED
WATER QUALITY
DIVISION
WYOMING

1. Name of Facility United Campground
2. Location of Facility: Sec. 26 T. 21 R. 85 Co. Carbon
3. Facility Description: ☐ New Construction ☐ Modification *Renewal* ☒

- ☐ Public Water Supply
- ☒ Municipal _____
- ☐ Other Legal Entity _____
- ☒ Commercial
- ☐ Industrial

Type of Facility:

- ☐ Source Development
- ☐ Treatment Plant
- ☒ Distribution System

Source: Groundwater xx

Surfacewater _____

Capacity, or Demand 0.26MGD gpm

List State Engineer permit number(s) for _____

- ☐ Wastewater Treatment Facility
- ☒ Municipal _____
- ☐ Other Legal Entity _____
- ☒ Commercial
- ☐ Industrial
- ☒ Small

Type of Facility:

- ☐ Subsurface Disposal
- ☐ Stabilization Pond
- ☒ Evaporative
- ☐ Mechanical Treatment
- ☒ Collection System

Volume of Wastewater 0.26MGd

The State Engineer has reviewed this project

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: United Campground, Ft. Steele, WY, Carbon Co.

ARCHITECT OR ENGINEER: Rob Roy Logan, Box 494, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 79-498

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LF*

DATE OF REVIEW: September 13, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Well

1. What is the material specifications and thickness of the well closing?
2. What is the height of the permanent well casing above ground level? "Ten State Standards" require at least 18 inches.
3. A welded metal plate or a threaded cap is the preferred method for capping a well instead of a hinged cover for submersible pumps.
4. Provide chemical (including heavy metals), bacteriological, and radiological analyses of water.
5. How is pitless adapter attached to well casing? It must be either welded or threaded.
6. Where is a check valve installed?
7. Provide yield and drawdown tests as required by "Ten State Standards".

Chlorine Solution Tanks

The chlorine solution tank must be designed in accordance with Sections 5.1.7-5.1.14, Ten State Standards.

Storage Tank

1. Provide detail for access, overflow, and vents. Indicate method to prevent freezing of the overflow and vent structures.

2. Provide disinfection specifications (AWWA Standard D102).
3. Indicate method for protection from trespassers.

Pumping System

1. How will two pumps be utilized in system? Provide pump specifications and curves for flow rates.
2. What material will the surge tank be constructed from?

Water Distribution System

1. Provide blow off valves at A-15 and 1-51 lot locations.
2. Provide water main disinfection specifications (AWWA Standard C601).
3. What is water system operating pressure?
4. Where are thrust blocks located and what are their size?

Wastewater Collection System

1. What are the alignment specifications and tests to be performed?
2. What is the allowable infiltration/exfiltration specifications?
3. What are the deflection testing specifications?
4. Provide sewer line clean out at lots A-24 and A-52. A sewer riser for a mobile home is not considered a clean out.

Wastewater Lift Station

1. At least two pumps or pneumatic ejectors shall be provided (Ten State Standards, 32.3).
2. An alarm system must be provided for pumping stations (Ten State Standards, 3.5).
3. What provisions exist for emergency operations during power failures?
4. Indicate accessibility to lift station for maintenance as required by Ten State Standards.

Wastewater Lagoon

The one cell lagoon is too small to handle both the hydraulic and organic loading from the trailer court. Evaporation will not provide adequate control for incoming flows, and the lagoon will discharge. Additional lagoon cells are required to provide adequate retention time. Complete pond construction details should be included with the resubmission.

*No Plans
Converse Co.*ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307.777-7781

November 13, 1985

Wolz and Associates
933 West 14th Street
Casper, WY 82601

Gentlemen:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility name:	Meadowlark Addition Sanitary Dump Station
DEQ/WQD Reference Number:	79-499
Engineering Consultant:	Wolz and Associates
DEQ/WQD Reviewing Engineer:	Frank Harman/Christian G. Norman
Date of DEQ/WQD Review:	August 24, 1979

According to Chapter III of the Water Quality Rules and Regulations, Section 7 b. (2), "If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned."

Please indicate below the status of your application and return this form to our office:


- ☐ The application will not be resubmitted as the proposed project has been cancelled.
- ☐ The application will be resubmitted within 30 days. (Submit a new set of plans and specifications.)
- ☐ The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- ☐ Other remarks _____

*Per Dave Eason
of Glenrock
this has not been built
& we can drop plans*

TSN 5-8-86

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,

A handwritten signature in cursive script, reading "Christian G. Norman".

Christian G. Norman
Engineering Evaluator
Water Quality Division

CGN



Department of Environmental Quality
Water Quality Division

HERSCHLER BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

November 13, 1985

Wolz and Associates
933 West 14th Street
Casper, WY 82601

Gentlemen:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility name:	Meadowlark Addition Sanitary Dump Station
DEQ/WQD Reference Number:	79-499
Engineering Consultant:	Wolz and Associates
DEQ/WQD Reviewing Engineer:	Frank Harman/Christian G. Norman
Date of DEQ/WQD Review:	August 24, 1979

According to Chapter III of the Water Quality Rules and Regulations, Section 7 b. (2), "If an application is denied because of incompleteness necessitating a request for additional information, the applicant shall have a maximum of six months to comply with the request. If the applicant fails to provide the requested information within that period, the entire incomplete application shall be returned."

Please indicate below the status of your application and return this form to our office:

- ☐ The application will not be resubmitted as the proposed project has been cancelled.
- ☐ The application will be resubmitted within 30 days. (Submit a new set of plans and specifications.)
- ☐ The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- ☐ Other remarks _____

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division reviewing engineer receives this information within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,

A handwritten signature in cursive script, appearing to read "Christian G. Norman".

Christian G. Norman
Engineering Evaluator
Water Quality Division

CGN



79-499

Bob
8-24-79

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

HATHAWAY BUILDING

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

August 24, 1979

Mr. Charles Wolz
Wolz and Associates, Inc.
933 W. 14th Street
Casper, WY 82601

Re: Sanitary Dump Station
Meadowlark Addition
Glenrock, WY

Dear Mr. Wolz:

In response to your plan submitted for the above referenced project, we wish to comment as follows:

We observe that you propose to run the discharge from the dump station directly through the town's wastewater system and lagoon which discharges into the river. We are opposed to this proposal as we do not want the chemical additives of self-contained trailers to go into the city lagoon to disrupt its biological action of treatment and enter the river system. As an alternative, we suggest that the trailer wastes be dumped into the Oregon Estates lagoon system which is a full retention pond or provide a separate full retention pond for the trailer wastes.

Yours truly,

Frank R. Harman
Frank R. Harman, M.S., P.E.
Environmental Engineer

FRH/nc

Enclosure

cc: Russell Larson, Larson & Brimacombe
1901 Energy Court
Gillette, WY 82716

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-500

BATES CREEK SCHOOL AND TEACHERAGE

(Name of Facility)

This permit hereby authorizes the applicant:

Campbell County School District

(Last)

(First)

(Middle)

1000 West 8th Street

(Street or P.O. Box)

Gillette

Campbell

Wyoming 82716

(City)

(County)

(State)

to construct, install, or modify a sewage collection

facility located in Section 31, T.42N., R.73W.

(Legal Description)

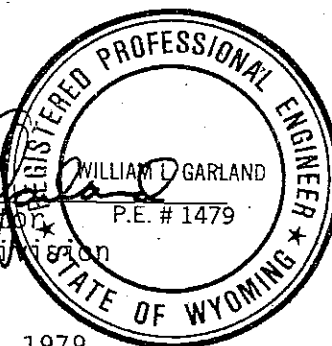
in the County of Campbell County, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

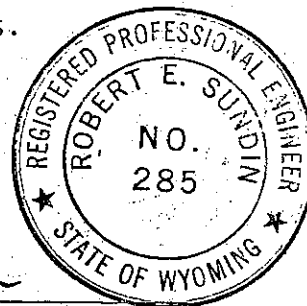
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
P.E. # 1479



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



September 4, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."